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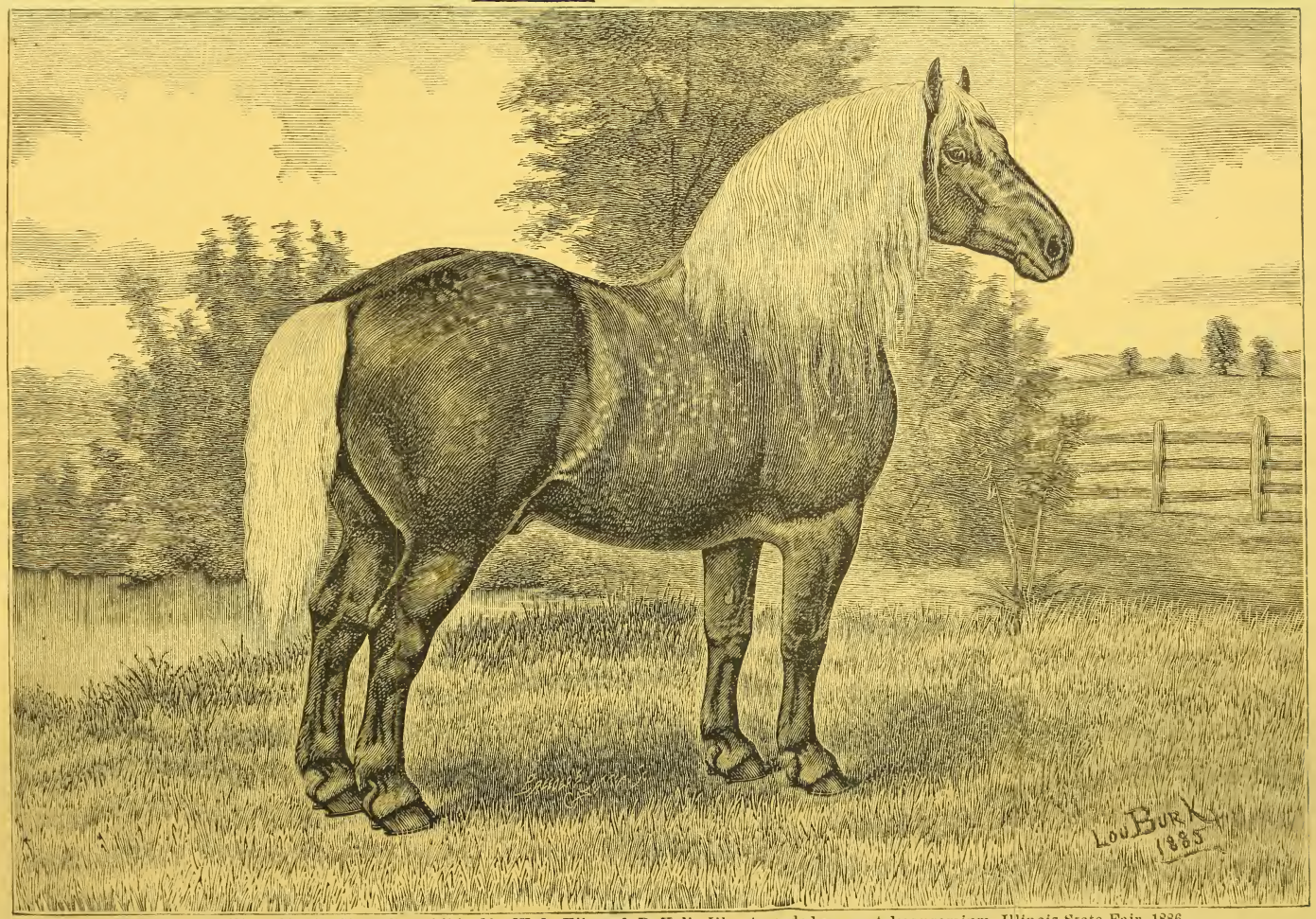

Percheron Stallion, Cheri 5079 (2423), exhibited by W. L. Ellwood, DeKalb, Ill. Awarded sweepstakes premium, Illinois State Fair, 1886.

TRANSACTIONS

REMOTE STORAGE

OF THE

DEPARTMENT OF AGRICULTURE

STATE OF ILLINOIS.

WITH REPORTS FROM

COUNTY AGRICULTURAL BOARDS,

FOR THE YEAR 1886

EDITED BY

CHARLES F. MILLS, SECRETARY.

VOL. XXIV, OLD SERIES. VOL. XVI, NEW SERIES.

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9, 10, 11, 12, GARLAND; 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, FISHER; 23, 24, MILLS.

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1889.

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LETTER OF TRANSMITTAL.

To His Excellency, RICHARD J. OGLESBY, *Governor of Illinois:*

SIR—I have the honor to transmit herewith the report of the State Board of Agriculture, for the year 1886.

Very respectfully,

CHARLES F. MILLS, *Secretary.*

SPRINGFIELD, June, 1887.

157385

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Illinois State Board of Agriculture.

FOR 1885-86.

President.....JOHN LANDRIGAN.....Albion
Ex-President.....J. R. SCOTT.....Champaign
Secretary.....CHARLES F. MILLS.....Springfield
Treasurer.....JOHN W. BUNN.....Springfield
Chief Clerk.....W. C. GARRARD.....Springfield

VICE-PRESIDENTS.

1st Dist.—J. Irving Pearce.....Chicago
2d " M. A. Morse.....Chicago
3d " J. C. Vaughan.....Chicago
4th " John P. Reynolds.....Chicago
5th " John Griffith.....Batavia
6th " George S. Haskell.....Rockford
7th " Samuel Dysart....Franklin Grove
8th " E. C. Lewis.....Deer Park
9th " John Virgin.....Fairbury
10th " D. W. Vittum, Jr.....Canton
11th Dist.—E. B. David.....Aledo
12th " Allan C. Rush.....Perry
13th " J. W. Judy.....Tallula
14th " LaFayette Funk.....Shirley
15th " E. E. Chester.....Champaign
16th " Joseph Skeavington.....Albion
17th " David Gore.....Carlinville
18th " D. B. Gillham.....Upper Alton
19th " B. Pullen.....Centralia
20th " J. M. Washburn.....Marion

LIST OF COUNTIES

Composing Congressional Districts in Illinois.

First District—The First, Second, Third and Fourth wards in the city of Chicago, and the towns of Riverside, Hyde Park, Lake, Lyons, Calumet, Worth, Palos, Lemont, Thornton, Bremen, Orland, Bloom and Rich in the county of Cook.

Second District—The Fifth, Sixth and Seventh wards in the city of Chicago, and that part of the Eighth ward in the city of Chicago which is south of the center of Polk street and the center of Macalester Place.

Third District—The Ninth, Tenth, Eleventh, Twelfth, Thirteenth and Fourteenth wards in the city of Chicago, and that part of the Eighth ward in the city of Chicago which is north of the center of Polk street and the center of Macalester Place.

Fourth District—The Fifteenth, Sixteenth, Seventeenth and Eighteenth wards in the city of Chicago, and the towns of Lake View, Jefferson, Leyden, Norwood Park, Evanston, Niles, Maine, Elk Grove, Schaumburg, Hanover, New Trier, Northfield, Wheeling, Palatine, Barrington, Cicero and Proviso, in the county of Cook.

Fifth District—Lake, McHenry, Boone, DeKalb and Kane.

Sixth District—Winnebago, Stephenson, Jo Daviess, Ogle and Carroll.

Seventh District—Lee, Whiteside, Henry, Bureau and Putman.

Eighth District—LaSalle, Kendall, Grundy, Will and DuPage.

Ninth District—Kankakee, Iroquois, Ford, Livingston, Woodford and Marshall.

Tenth District—Peoria, Knox, Stark and Fulton.

Eleventh District—Rock Island, Mercer, Henderson, Warren, Hancock, McDonough and Schuyler.

Twelfth District—Cass, Brown, Adams, Pike, Scott, Greene, Jersey and Calhoun.

Thirteenth District—Tazewell, Mason, Menard, Sangamon, Morgan and Christian.

Fourteenth District—McLean, DeWitt, Piatt, Macon and Logan.

Fifteenth District—Coles, Edgar, Douglas, Vermilion and Champaign.

Sixteenth District—Cumberland, Clark, Jasper, Crawford, Clay, Richland, Lawrence, Wayne, Edwards and Wabash.

Seventeenth District—Macoupin, Montgomery, Shelby, Moultrie, Effingham and Fayette.

Eighteenth District—Bond, Madison, St. Clair, Monroe and Washington.

Nineteenth District—Marion, Clinton, Jefferson, Franklin, Hamilton, White, Saline, Gallatin and Hardin.

Twentieth District—Perry, Randolph, Jackson, Williamson, Union, Johnson, Pope, Alexander, Pulaski and Massac.

TWENTY-FOURTH ANNUAL REPORT

OF THE

ILLINOIS STATE BOARD OF AGRICULTURE

SHERMAN HOUSE,
CHICAGO, MAY 14, 1886.

The Board met in special session on the call of the President, President Landrigan in the Chair.

Present—President Landrigan, Vice-Presidents Pearce, Morse, Vaughan, Griffith, Haskell, Dysart, Lewis, Vittum, David, Funk, Chester, Skeavington and Pullen.

The President stated that the meeting had been called to consider the premium list for the coming State Fair, and any other business that might be presented.

Mr. Morse introduced the following resolutions, which were adopted on motion of Mr. Dysart:

Resolved, That the heading of the lots in the premium list which now reads "Norman-Percheron" be changed so as to read "French Draft" breeds so called, other than "Percheron," and that new lots be provided for so called "Percheron horses," with like premiums as are now given other draft breeds of horses.

Resolved, That horses competing in the lots so provided, to be eligible to entry at the Fair and Horse Show shall be recorded or eligible to record in the stud books of the so called respective breeds.

The ayes and nays being called the following vote was had:

Ayes—President Landrigan, Vice-Presidents Pearce, Morse, Vaughan, Griffith, Haskell, Dysart, Lewis, Vittum, Funk, Chester, Skeavington and Pullen—total 13.

Nays—0.

Motion of Mr. Lewis adopted,

That absent members be permitted to record their votes on the question of making a separate classification for Percheron horses at the Fair.

The following ladies were introduced and granted permission to address the Board on the establishment of a State Training School for Girls, viz.: Mrs. G. B. Marsh, Mrs. Wilson and Mrs. L. B. Sawyer.

Mrs. Marsh addressed the Board as follows:

MR. PRESIDENT AND GENTLEMEN OF THE STATE BOARD OF AGRICULTURE: I greatly appreciate the privilege you have given me, of presenting to your honorable body the subject of the bill, which we desire to present to the next General Assembly of Illinois. 'For an act to provide for the maintenance and training of such girls as should be wards of the State.' I am particularly glad as your Board is composed of representative men from all parts of our State, having in charge one of its largest and best interests; feeling that another need which we deem most imperative to its social and moral well-being, whose aims are broad as the State, entirely unsectional, can be the more readily understood, and we feel it is only to be fuily recognized to receive your hearty sympathy and aid. Our purpose is to provide for the establishment and maintenance of homes or schools, entirely under the management of the State, for homeless, dependent and erring girls in entirely distinct buildings, located in seperate counties, it may be, many miles apart, so that the ban of wrongdoing or criminality shall not rest on those whose only charge against them is waywardness or misfortune in being homeless and dependent, without proper parental care or guardianship, or without proper means of support or knowledge of how to obtain it.

These we propose to have legal commitments, giving a State training school guardianship over them, that they may be taught in all useful pursuits, making housewifery the ground work of all; after that, trades, such as dress making, printing, floriculture, millinery, telegraphy, etc., and with it all a thorough knowledge of English branches of education, as reading, writing, geography, grammar, arithmetic, history of the United States and thorough physiology. We would have them receive earnest instruction in moral and religious subjects, entirely unsectarian, and in all pertaining to make them self-respecting, self-supporting, and useful mothers of citizens who have from their mothers learned to be law-respecting and abiding members of society

This subject must be entertained, for with the red reign of crime all about us, we must realize that the best interests of our free institutions are threatened, and even life, liberty and the pursuit of happiness is menaced. The vicious, depraved, ignorant children of one generation become the debauched, dangerous criminals of the next, and it is impossible that any private corporation can cope with the great problem which we have to solve. We have an institution, the Illinois Industrial School for Girls, now in operation, organized eight years ago, which has demonstrated with its sister institutions in other States, that training and industrial schools are no longer experimental, but recognized factors for the accomplishment of incalculable good for the class under consideration; also boys, for the need is equally great for the caring for both sexes, and we, as women, will be only too glad to coöperate with our brothers in carrying on a work for establishing a State Training School for them. A Reform School we now have for them at Pontiac.

It is only to the great State can we look for a movement at all commensurate with the needs for the work—a State Training School for Homeless and Dependent Girls, and a State Home for Juvenile Offenders, where those committed by criminal courts may be sent instead of to the jail, bridewell or penitentiary, from where they emerge a thousand fold deeper in a knowledge of crime than they knew when entering, for it is impossible to prevent the influence of hardened criminals from having been felt by them. We would have it understood that we feel that 80 per cent of those given to the charge of our Illinois Industrial School have been saved, and all greatly benefited, but our work, owing to limited means and narrow facilities, are inadequate.

We ask, gentlemen, your interest in this movement from a moral and an economical point of view, In the city of Chicago alone over 6,000 arrests of women were made in 1884, and of these over 2,000 were under 20 years of age and 211 under 10 years. The police force cost our city nearly $800,000 for that year's expense, and as about one-sixth of the arrests were women, one hundred and thirty thousand dollars would not be an unjust estimate of what it cost to arrest, try, convict and punish these women. In one year almost as much just in Chicago (and what would it be if the cost from all parts of the State were added) as we ask for all time or many years, with an appropriation for expenses each year to care for them, to make homes for them, to educate them, to be respectable and honest in their own and the eyes of the public.

We desire to so arrange it that if proper reformation is manifested in the members committed to the "State Home" that we may have them removed to the "Training School" and graduate from it, so that no criminal stain may attach itself to their lives, but an honorable record may be theirs to maintain in after years. We would have these children under ten years of age placed in kind and suitable homes as soon as they can be found, and those over ten years kept in the school one year at least, that we might have more knowledge of their traits of character, thus being enabled to secure proper homes for them. We feel that if the State of Illinois, which is the only one save Nebraska in the group of States of the Northwest without such schools, will provide for her children as intended by the bill under consideration, that eighteen out of twenty will be saved from depths of error and wrong of all those taken in charge.

Gentlemen, we hope you will pass a series of resolutions endorsing this movement and will so interest yourselves in it as shall so greatly aid in assuring its passage by our coming Legislature. We leave it now in your hands hopefully.

Motion of Mr. Lewis adopted,

That a committee of three be appointed to confer with the ladies in reference to the establishment of the proposed Training School for Girls.

The President appointed as such committee Messrs Lewis, Funk and Dysart.

Motion of Mr. Haskell adopted,

That the proposition of Western File and Index Co., agents of Messrs. Schlecht & Field, of Rochester, N. Y., be accepted for furnishing the office with letter-filing cabinet of the Shannon pattern, price $270.90.

Motion of Mr. Funk adopted,

That the bid of the Journal Co. be accepted for publishing the proceedings of the Farmers' Institute meetings at 95 cents per page, including composition, paper, press work and cover, for an edition of one thousand copies.

Motion of Mr. Haskell adopted,

That the printing committee be authorized to publish in pamphlet form one thousand copies of the proceedings of the Farmers' Institute meetings held by the Board in 1886, at Princeton, Mattoon and Nashville.

Mr. Lewis, superintendent speed department, submitted the following speed programme for the Fair of 1886, which was adopted on motion of Mr. Haskell:

TROTTING STAKE, $250.

For two year old colts and fillies (foals 1884,) mile heats, best two in three to harness.

TROTTING STAKE, $250.

For three year old colts and fillies (foals 1883,) mile heats, best three in five to harness.

TROTTING STAKE, $250.

For four year old colts and fillies (foals 1882), mile heats, best three in five to harness.

TROTTING STAKE, $250.

For stallions making a season, 1886, mile heats, three in five, to harness.

RUNNING STAKE, $250.

For two year old colts and fillies, foals 1884, mile heats, best two in three.

RUNNING STAKE, $250.

For three year old colts and fillies, foals 1883, mile heats, best three in five.

RUNNING STAKE, $250.

For four year old colts and fillies, foals 1882, mile heats, best three in five.

ILLINOIS STAKE, $500.

For colts and fillies of any age, bred in Illinois, to be trotted on Friday, September 10, 1886, mile heats, three in five, to harness.

CHICAGO STAKE, $500.

For colts and fillies of any age, to be run on Friday, September 10, 1886, mile heats, three in five.

PACERS' STAKE, $1,200.

To be paced on Thursday, September 9, 1886, mile heats, three in five, to harness (barring Johnson), provided that Richball, Fuller, Jewett, Toledo Girl, New Hope, Minnie R., Silvertail, Sailor Boy, Lottie P., Jordan, Marlow, Mike Wilkes, Westmont, Gossip, Jr., and Georgetown or any three of them enter and start.

2:15 CLASS STAKE, $1,800.

To be trotted on Friday, September 10, 1886, mile heats, three in five, to harness, provided that Clemmie G., Edwin Thorne, Wilson, Phil Thompson, Arab, Jerome Turner, Adelaide, Catchfly, Billy Button, Felix, Patron, Hurda Rose, Fannie Witherspoon, Harry Wilkes, Majolica, Phyllis, Jo Davis and Bonnie McGregor, or any three of them, enter and start.

Motion of Mr. Lewis adopted,

That the races be advertised in the Horseman, Spirit of The Times, Dunton's Spirit of the Turf and The Turf, Field and Farm.

The following resolutions, adopted at an informal meeting of less than a quorum of the Board, held at the Leland Hotel, March 29, 1886, were introduced by Mr. Haskell and adopted on motion of Mr. Funk.

WHEREAS, An allwise Providence has taken from our midst Hon. William M. Smith, a former member of this Board; and

WHEREAS, His faithful and extended services in connection with public affairs of the State, and especially as a member of the Illinois State Board of Agriculture, make it the duty of his associates to perpetuate his memory and place on record a suitable testimonial of his worth, as well as to bespeak the grateful remembrance of the industrial classes of the State; therefore be it

Resolved, That in the death of Hon. William M. Smith the State has lost one of its most useful, upright and exemplary citizens, and that the industrial classes are thus deprived of the services of one of their most earnest and efficient advocates.

Resolved, That the honesty of purpose and exemplary life of the deceased are worthy of emulation, and that his labors in various official positions entitle his memory to the grateful remembrance of all interested in the property of the State.

Resolved, That these resolutions be spread upon the record and a copy sent the family of the deceased.

Adjourned to 2:30 P. M.

AFTERNOON SESSION.

The Board met as per adjournment.

President Landrigan in the chair.

Present—Messrs. Landrigan, Pearce, Vaughan, Griffith, Haskell, Dysart, Lewis, Vittum, David and Pullen.

The following resolutions, recommended by the committee, were adopted on motion of Mr. Pearce:

To the State Board of Agriculture:

Your committee to whom was referred the address of Mrs. G. B. Marsh and others, favoring the establishment of a training school for girls, beg leave to submit as a report the following preamble and resolution with recommendation for their adoption:

WHEREAS, It is represented that no adequate provision has been made in the State of Illinois for the support, education or industrial training of homeless, dependent female children; and

WHEREAS, It appears that the means provided by private charity for the care of such children are not sufficient to meet the existing emergency; and

WHEREAS, It appears that there is great need for a State home for the education and training in the useful industries such dependent girls, as well as for the reformation of young female criminals; and

WHEREAS, An attempt is being made to induce the public to exert proper influence to secure the passage of a law at the next session of the legislature of this State, providing for the establishment of such a State institution; therefore, be it

Resolved, That it is the sense of this Board that the enterprise is meritorious, desirable and practicable.

Resolved, That the Illinois State Board of Agriculture hereby approve the movement and request the members of the next legislature to give the matter due consideration and to make such pro-vision as may seem best calculated to accomplish the desired object.

Respectfully submitted,

E. C. LEWIS,
SAMUEL DYSART,
LAFAYETTE FUNK.

On motion of Mr. Haskell,

The following report of the committee appointed to make arrangements for the proposed American Horse Show was adopted:

REPORT OF SPECIAL COMMITTEE ON HORSE SHOW.

SHERMAN HOUSE, CHICAGO,
January 27, 1886, 10 O'clock A. M.

The committee appointed to consider the matter of holding a show of horses in connection with the Fat Stock Show, met on the call of Chairman Pearce.

Present—Messrs. Landrigan, Virgin, Vittum, Dysart, Gillham, Mills and Chairman Pearce.

Motion of Mr. Virgin adopted,
That the committee proceed to make arrangements for the holding of an exhibition of horses, to be held in connection with the American Fat Stock Show, and to be known as the American Horse Show.

On motion of Mr. Gillham,
The committee adjourned to 2:30 o'clock P. M., for the purpose of inspecting the Exposition Building, with a view to its arrangement for the proposed horse show.

2:30 O'CLOCK P. M.

The committee met as per adjournment.

Mr. Pearce in the chair.

Present—Messrs. Landrigan, Virgin, Lewis, Vittum, Dysart, Gillham, Pearce and Mills.

On motion of Mr. Gillham,
The following members of the Board in attendance were invited to seats and to participate in the proceedings, viz.: Messrs. Reynolds, Haskell, Morse and Griffith.

Motion of Mr. Landrigan adopted,
That a sub-committee of three be ap ointed to consider and recommend a classification of premiums for the proposed show.

The Chair appointed as said committee, Messrs. Landrigan, Virgin and Vittum.
The committee retired, and, after consultation, submitted the following report:

To the Committee on Horse Show:

The committee recommend that the following amounts be set apart from subscriptions, if the same shall be secured, for the purpose of holding an exhibit of horses in connection with the Fat Stock Show of 1886.

The committee further recommend that the premium fund for the horse exhibit be increased to $5,000, provided that the committee on subscripiions may obtain that amount, and that whatever sum may be secured for this purpose, be distributed pro rata on the classification agreed upon.

The committee further recommend the same classification, except colts and yearlings, as advertised in the late State Fair premium list, with the exception of the breeding and sweepstakes rings.

Thoroughbred	$200 00
Roadster	200 00
Saddle	180 00
Carriage	90 00
Gent's driving	270 00
Saddle	30 00
Norman-Percheron	200 00
Clydesdale	200 00
Shire	200 00
Cleveland	200 00
Grade draft	200 00
Horses for all work	200 00
Park and displays	330 00
	$2,500 00

Respectfully submitted.

JOHN LANDRIGAN,
JOHN VIRGIN,
D. W. VITTUM.

Motion of Mr. Landrigan adopted,
That the report of the committee be considered in sections and by breeds.

After some time spent in the consideration of the report, the following
Motion of Mr. Gillham was adopted,
That the report of the committee be referred back to the committee for classification of the breeds by ages, etc.

Motion of Mr. Lewis adopted,
That three additional members be added to the committee.

The chair appointed the following as the additional members of the committee, viz.: Messrs. Lewis, Reynolds and Gillham.

On motion the committee adjourned to 7:30 P. M.

EVENING SESSION.

The committee met at 7:30, attendance same as at adjournment.

The following report of the Committee on Classification of Premiums for the proposed American Horse Show, was adopted on motion of Mr. Haskell:

To the Committee on Horse Show:

The sub-committee, to whom was referred the classification of breeds of horses for the American Horse Show, beg leave to recommend the following as a substitute for the former classification submitted, viz.:

Roadsters.

Best stallion, any age.
Best mare, any age.
Best gelding, any age.
Best pair mares, any age.
Best pair geldings, any age.

Thoroughbreds

Best stallion, any age.
Best mare, any age.

Saddle Horses.

Best stallion, any age.
Best mare, any age.
Best gelding, any age.

Carriage or Coach—Other than Cleveland Bays.

Best stallion, any age.
Best mare, any age.
Best pair mares, any age.
Best pair geldings, any age.

Park Horse.

Best stallion, mare or gelding.

Equestrianism.

Best boy rider under 14 years old.
Best girl rider under 14 years old.
Best lady rider.
Best gentleman rider.
Best lady rider with escort.

Pony—12 hands or Under.

Best stallion, any age.
Best mare, any age.
Best gelding, any age,

Driving to Cart—Horse Under 14 Hands High.

Best boy driver, 14 or under.
Best girl driver, 14 or under.

Trained Pony or Horse.

Best trained pony or horse.

Percheron.

Best stallion, any age,
Best mare, any age.
Best pair mares, any age.

French Draft—Other than Percheron.

Best stallion, any age.
Best mare, any age.
Best pair mares, any age.

Clydesdale.

Best stallion, any age.
Best mare, any age.
Best pair mares, any age.

Englishshire.

Best stallion, any age.
Best mare, any age.
Best pair mares, any age.

Grade Draft—Get of Pure Bred Sire.

Best mare, any age.
Best gelding, any age.
Best pair mares, any age.
Best pair geldings, any age.

Respectfully submitted,

JOHN LANDRIGAN,
JOHN VIRGIN,
D. W. VITTUM, JR,
JOHN P. REYNOLDS,
E. C. LEWIS,
D. B. GILLHAM.

Motion of Mr. Reynolds adopted,

That exhibitors be permitted to keep their horses outside of the Exposition Building except at such times as may be designated by the Superintendents of the horse departments.

Hon. J. H. Sanders, editor and publisher of the Breeders' Gazette, of Chicago, tendered to the committee for the encouragement of the enterprise a sum equal in amount to that given to any class of draft horses by the Board.

Motion of Mr. Morse adopted,

That a vote of thanks be extended to Mr. Sanders for the liberal contribution to the premium fund of the Horse Show.

Motion of Mr. Lewis adopted,

That a committee of three be appointed to prepare rules and regulations for the government of the American Horse Show.

The chair appointed as said committee Messrs. Lewis, Virgin and Mills.

Motion of Mr. Landrigan adopted,

That Messrs. Pearce Dysart and Mills be appointed a committee to solicit subscriptions for the premium fund of the American Horse Show.

Motion of Mr. Gillham adopted,

That any individual or association be granted permission to add to or duplicate any premium offered by the Board for any horse or breed of horses.

Motion of Mr. Virgin adopted,

That a committee of three be appointed to decide upon the arrangement of the stalls for the horse exhibit in the Exposition Building and to prepare a diagram of the same for publication in the premium list.

Chalr appointed as said committee Messrs. Virgin, Gillham and Mills.

On motion of Mr. Gillham,

The committee adjourned until 9 o'clock A. M. to-morrow.

J. IRVING PEARCE,
Chairman.

SHERMAN HOUSE,
CHICAGO, January 28, 1886,
9 O'CLOCK A. M.

The committee met as per adjournment.

Present—Messrs. Landrigan, Reynolds, Dysart, Pearce, Lewis, Virgin and Mills.

Minutes of yesterday's sessions of the committee read, and on motion of Mr. Dysart, approved.

Motion of Mr. Landrigan adopted,
That a lot be made in the premium list for the Horse Show for Cleveland Bay horses with same classification and prizes as provided for Clydesdale horses.

The following resolution, introduced by Mr. Reynolds, was adopted on motion of Mr. Virgin:

Resolved, That the Board request all intending exhibitors of horses to make their entries as early as the 1st of September, at which time the discretion is reserved to modify the arrangements by the offer of additional prizes and otherwise as may seem necessary or best, in order to ensure an exhibition respectable in numbers and of the highest excellence in each class.

Motion of Mr. Landrigan adopted,
That $2.00 be charged for each horse stall at the proposed horse show.

Motion of Mr. Dysart adopted,
That a first, second and third cash premium be given in each ring provided for horses.

Motion of Mr. Landrigan adopted,
That the same amount be given in cash premiums in tbe classes for Roadster, Thoroughbred, Saddle, Carriage, Cleveland Bay and Draft horses.

Mr. Landrigan moved that a ring be provided for stallions and mares three and under four years of age in the lots for draft horses and Cleveland Bays, and that the animals competing therein be not permitted to show elsewhere.

Mr. Virgin moved as a substitute, that in the lots for draft horses and Cleveland Bay horses, rings be provided for stallions four years old and over, and stallions three years old and under 4, and that rings for mares of the same ages be made in same lots. Substitute adopted.

Mr. Reynolds moved that premiums be provided in all the other lots for breeding horses, for stallions and mares four years old or over, and three and under four years.

The amended classification for horses was then adopted to read as follows;

LOT—ROADSTER.

Best Stallion, 4 years old or over—
Second best.
Third best.
Fourth best
Best Stallion, 3 years old and under 4—
Second best.
Third best
Fourth best.
Best Mare, 4 years old and over—
Second best.
Third best.
Fourth best.
Best Mare 3 years old and under 4—
Second best.
Third best.
Fourth best.
Rest pair of Mares, any age—
Second best.
Third best.
Fourth best.
Best Mare. any age—
Second best.
Third best.
Fourth best.
Best pair of Geldings, any age—
Second best.
Third best.
Fourth best.
Best Gelding, any age—
Second best.
Third best.
Fourth best.

LOT—THOROUGHBRED.

Best Stallion, 4 years old or over—
Second best.
Third best.
Fourth best
Best Stallion, 3 years old and under 4—
Second best.
Third best.
Fourth best.
Best Mare, 4 years old or over—
Second best.
Third best.
Fourth best.
Best Mare 3 years old and under 4—
Second best.
Third best.
Fourth best.

LOT—SADDLE HORSES.

Best Stallion, any age—
Second best.
Third best.
Fourth best.
Best Gelding, any age—
Second best.
Third best.
Fourth best.
Best Mare, any age—
Second best.
Third best.
Fourth best.

LOT—CARRIAGE OR COACH.

(Other than Cleveland Bay.)

Best Stallion, any age—
Second best.
Third best.
Fourth best.

Best pair Geldings—
Second best.
Third best.
Fourth best.
Best Mare, any age—
Second best.
Third best.
Fourth best.
Best pair Mares—
Second best.
Third best.
Fourth best.

PARK HORSE.

Best Stallion, Mare or Gelding, any age—
Second best.
Third best.
Fourth best.

LOT—EQUESTRIANISM.

Best boy rider, under 14 years—
Second best.
Third best.
Best Gentleman rider—
Second best,
Third best.
Best Girl rider, under 14—
Second best.
Third best.
Best Lady rider—
Second best.
Third best.
Best Lady rider with escort—
Second best.
Third best.

LOT—DRIVING TO CART.

(Horse to be under 14 hands high.)
Best Boy driver, not over 14 years—
Second best.
Third best.
Best Girl driver, not over 14 years—
Second best.
Third best.

LOT—PONIES.

(Not over 12 hands high.)
Best Stallion, any age—
Second best.
Third best.
Best Mare, any age—
Second best.
Third best.
Best Gelding, any age—
Second best.
Third best.

LOT—CLEVELAND BAY.

Best Stallion, 4 or over—
Second best.
Third best.
Fourth best.
Best Stallion, 3 and under 4—
Second best.
Third best.
Fourth best.
Best Mare, 4 or over—
Second best.
Third best.
Fourth best.
Best Mare, 3 and under 4—
Second best.
Third best.
Fourth best.
Best pair Mares, any age—
Second best.
Third best.
Fourth best.

LOT—PERCHERON.

Best Stallion, 4 or over—
Second best.
Third best.
Fourth best.
Best Stallion, 3 and under 4—
Second best.
Third best.
Fourth best.
Best Mare, 4 or over—
Second best.
Third best.
Fourth best.
Best Mare, 3 and under 4—
Second best.
Third best.
Fourth best.
Best pair Mares, any age—
Second best.
Third best.
Fourth best.

LOT—FRENCH DRAFT—(OTHER THAN PERCHERON.)

Best Stallion, 4 years old or over—
Second best.
Third best.
Fourth best.
Best Stallion, 3 years old and under 4—
Second best.
Third best.
Fourth best.
Best Mare, 4 years old or over—
Second best.
Third best.
Fourth best.
Best Mare, 3 years old and under 4—
Second best.
Third best.
Fourth best,
Best pair Mares, any age—
Second best.
Third best.
Fourth best.

LOT—CLYDESDALES.

Best Stallion, 4 years old or over—
Second best.
Third best.
Fourth best.
Best Stallion, 3 years old or under 4—
Second best.
Third best.
Fourth best.
Best Mare, 4 years old or over—
Second best.
Third best.
Fourth best.
Best Mare, 3 years old and under 4—
Second best.
Third best.
Fourth best.

Best pair Mares, any age—
Second best.
Third best
Fourth best.

Best pair Mares, any age—
Second best.
Third best.
Fourth best.

LOT—ENGLISH SHIRE.

Best Stallion, 4 years old or over—
Second best.
Third best.
Fourth best.
Best Stallion, 3 years old and under 4—
Second best.
Third best.
Fourth best.
Best Mare 4 years old or over—
Second best.
Third best
Fourth best.
Best Mare, 3 years old and under 4 –
Second best.
Third best
Fourth best

LOT—GRADE DRAFT—(GET OF PURE BRED SIRE.

Best Gelding, any age—
Second best
Third best.
Fourth begt.
Best pair Geldings, any age—
Second best.
Third best.
Fourth best.
Best Mare, any age—
Second best.
Third best.
Fourth best
Best pair Mares, any age—
Second best.
Third best.
Fourth best

The committee on rules made the following report, which was adopted on motion of Mr. Dysart:

To the Committee of Arrangements for the Horse Show:

The undersigned beg leave to recommend that the following rules and conditions be printed at the head of the classification for horses in the premium list for the proposed Horse Show, viz.:

The Exposition Building will be open for the reception of stock on Friday, the 5th day of November, 1886.

The assignment for stalls for horses will be only to the extent of the space at the disposition of the committee of arrangements. Owing to the limited space for horses in the Exposition Building the Board reserves the right of returning stall fees after all the available stalls have been assigned. Provided, that animals not quartered in the exposition Building shall be eligible to competition, other rules having been complied with.

ENTRIES.

1. Entries must be made on or before November 1, by application to the Secretary at Springfield, who will furnish blank applications, on which to specify exhibitor's name and address, with description of animal offered. Exhibitors are requested to make their entries as early as October 1, 1886, to enable the management to provide necessary accommodations.

2. In all classes authentic pedigrees must be furnished. The age of all animals shall be determined from January 1 of the year in which they were foaled, except the draft breeds and Cleveland Bay Horses, the age of which shall be determined from the recorded date of their birth.

3. The following fee will be charged, and must accompany application for entries: For each horse, $2.00.

4. Each exhibitor must purchase an exhibitor's ticket ($1.50), when applying for entries, a firm being regarded as one exhibitor. Only one member of a firm will be admitted to the building on the ticket.

No exhibibitor will be given stalls for more than ten horses, unless additional stalls are constructed and at the disposal of the Superintendent of Stalls. All competing animals must be exhibited and paraded in the ring at the discretion of the superintendent, and any exhibitor failing to comply with this rule will forfeit any premium awarded his stock. No animals shall be decorated with any unnecessary trappings, etc., during examination by the awarding committee. Horses will be measured in the shoes worn at the time of entry. An entrance fee of ten per cent. of the total amount of premiums offered in each ring will be charged and must accompany the application for entry for horses entered as roadsters, thoroughbreds, saddle, park and grade draft horses. The several draft horse breeders associations and the Cleveland Bay Association having each guaranteed a premium fund of $500.00 for the respective breeds are therefore exempt from the charge for entrance.

The four draft breeds and Cleveland Bay Horses are not eligible to enter for the premiums guaranteed by the several associations unless recorded in their respective stud books and the applications for entry are accompanied by a certificate from the Secretary of the respective organization that the exhibitor has complied with the rules governing entries for such premiums.

Firms exhibiting a team or pair of horses must have existed at least thirty days prior to the time of exhibition. An affidavit as to ownership may be required by the Superintendent.

In rings where an entrance fee is charged no cash prize will be given unless there are two or more exhibits and no second cash prize will be given unless there are three or more exhibits. In case there is not to exceed one or two exhibits the judges may award the ribbon to which they consider the animals entitled.

The catalogue number must be conspicuously displayed on each animal while on exhibition.

Respectfully submitted,

E. C. LEWIS,
JOHN VIRGIN,
CHARLES F, MILLS.

Motion of Mr. Landrigan adopted.

That premiums be offered in each ring as follows, provided $5,000 is raised, and pro rata sum if less is raised by the committee: $50, $25 and $15, except in the rings named, where the amount shall be as follows, viz.: Park horse, $175; equestrianism, $200; ponies, $100; driving to cart, $100.

Minutes of the sessions read, and on motion of Mr. Landrigan, approved.

On motion of Mr. Dysart, adjourned subject to call of chairman.

J. IRVING PEARCE,
Chairman.

On motion of Mr. Haskell,
The Board adjourned subject to call of the President.

MINUTES OF MEETINGS HELD DURING FAIR.

SHERMAN HOUSE, CHICAGO, ILL.,
8 O'CLOCK P. M., FRIDAY, Sept. 2, 1886.

The Board met in special session on the call of the President.

Present—President Landrigan, Ex-President Scott, Vice-Presidents Pearce, Morse, Vaughan, Griffith, Haskell, Dysart, Virgin, Vittum, David, Rush, Skeavington, Gillham and Washburn.

The President stated that notwithstanding the fact that an unusually large supply of stalls had been provided by the local committee, the applications largely exceeded the supply.

Mr. Virgin, the Superintendent of Stalls, stated that all the available stalls had been assigned and that it would be necessary to construct more.

Mr. Gillham, Superintendent of Grounds, stated that upon the application of the Superintendent of Stalls for more stalls, that he contracted for the building of 135 more stalls, which would be completed on Monday night of the opening day of the Fair.

On motion of Mr. Vittum,
The action of the Superintendent of Grounds in constructing additional stalls was approved.

Mr. Washburn stated that his duties as Superintendent of Permits made it necessary to have at least three assistants.

Motion of Mr. Virgin adopted,
That Mr. Washburn be authorized to employ three assistants during the continuance of the Fair.

The following communication was read:

SIGNAL OFFICE, WAR DEPARTMENT,
WASHINGTON CITY, August 16, 1886.

Mr. Charles F. Mills, Secretary State Board of Agriculture, Springfield, Illinois:

SIR: I have seen your note of inquiry to the Chief Signal Officer, relative to the bill granting franking privilege to weather observers, and in reply I have to inform you that the bill failed to become a law, and there are little hopes of its becoming a law, as the chairman of the House com-

mittee on post-roads has stated that it should not become a law if he could help it. I have there fore cast about for means to meet the requirements of the service and the people without the law, and I think we will be able to meet the case. I propose to furnish a Signal Service observer for each chief of State weather service, and he will be authorized to use the official frank in all public business. I will have some trouble in supplying envelopes and wrappers, as the officer in charge of these is not in accord with the Chief Signal Officer on this subject and believes it to be illegal to use the official frank for this work.

He is wrong, of course, and I propose to give each of you a man, and in addition I will have a stamp for franking the reports and monthly bulletins It will be necessary to publish our monthly bulletin, or a part of it, in your monthly reports to authorize the official frank in their distribution.

I expect to be able to send you a good man to aid in the work in a short time. Let me know if such an arrangement would be satisfactory to you and offer any suggestion you may have, bearing on the proposed enlargement of the work.

I am very respectfully, your obedient servant,

H. H. C. DUNWOODY,

First Lieutenant 4th Artillery, Acting Signal Officer and Assistant.

Mr. David moved that the proposition of the signal office be accepted.

Mr. Gillham moved as an amendment that the proposition be accepted, provided that no further expense be incurred by the Board other than the preparation and printing of the monthly weather review. Amendment adopted and the motion as amended adopted.

Motion of Mr. Washburn adopted,

That special permits be granted to the drivers of four delivery wagons passing the same to and from the grounds during the continuance of the Fair.

Mr. Vaughan, chairman of the press committee, recommended that a competent newspaper man be employed by the Board to aid the city press in obtaining information about the Fair.

Motion of Mr, Gillham adopted,

That the chairman of the press committee be authorized to employ an assistant to prepare reports concerning the Fair, and that the pay for said services be at the same rate as paid assistants in other departments.

On motion of Mr. Haskell,

The Board adjourned subject to the call of the President.

SHERMAN HOUSE, CHICAGO,
8 O'CLOCK P. M., SATURDAY, Sept. 3, 1886.

The Board met in special session on the call of the President.

Present—President Landrigan, Vice-Presidents Pearce, Morse, Vaughan, Dysart, Lewis, Virgin, Vittum, Rush, David, Funk, Skeavington, Gore, Gillham and Washburn.

Motion of Mr. Dysart adopted,

That the locations in the show ring for the exhibits of horses and cattle be referred to the superintendents of said departments.

The following reports of exhibits in the several departments were made by the respective superintendents.

Class I—Arts. Mr. Pearce stated that there were a large number of entries in the art department, and that the leading artists of Chicago and elsewhere would be creditably represented.

Class K—Textile Fabrics. Mr. Morse reported that the space in his department would be occupied with attractive exhibits.

Class B—Light Horses. Mr. Lewis stated that a very large number of entries had been made in his department. A number of the races advertised would not come off owing to the failure of the owners of certain horses to fulfill their contracts to trot their horses.

Superintendent of Stalls—Mr. Virgin stated that nearly all the newly constructed stalls had been assigned, and that from present advices of expected exhibits there would be enough stalls to supply the demand, which exceeded that of any former Fair.

Class C—Sheep. Mr. Vittum reported that the entries of sheep in number and quality compared most favorably with former exhibitions.

Class A—Beef Breeds. Mr. Funk reported that there was an unusually large number of very choice herds of beef cattle on the Fair grounds. He stated that upon his invitation there would be exhibits of Red Polled and Sussex cattle, comparatively new candidates for public favor.

Class G—Farm Products. Mr. Skeavington called attention to the large exhibits assured in his department, and to the attractive displays of grains, vegetables and seeds, that were being arranged by seedmen and others.

Class B—Draft Horses. Mr. Gore reported that the exhibits of the various breeds of draft horses on the Fair grounds in point of numbers and excellence had never been surpassed at any former exhibition of heavy horses. Mr. Gore presented the following communication received through George E. Brown, Esq., of Aurora, Illinois.

To the Secretary of the State Board of Agriculture:

DEAR SIR—A few breeders of Shire Horses, desiring to advance the interest of this breed at your annual September Show, have concluded to place one hundred dollars in your hands to be awarded to the party making the best display of Shire Horses at your forthcoming show this year.

We are aware that it is a little late, but you can pass the word around to the different exhibitors after they arrive, and in time for them to arrange for their showing.

We desire that this award be made by a competent judge, and prefer that *one* competent judge be selected rather than more.

Samuel Bell, of Wooster, Ohio, is known to us as such, and if agreeable to you, we would like to secure him.

Or failing him, perhaps the editor of the Breeders' Gazette will serve; or else either Messrs. Norris or Clark, of Dover, Illinois.

Hoping your show will be eminently successful, we are

Yours very sincerely,

LINCOLNSHIRE BREEDERS OF SHIRE HORSES.

Motion of Mr. Dysart adopted,

That the proposition of Lincolnshire Breeders of England be referred to Superintendent Gore, with power to act.

Superintendent of Grounds Mr. Gillham reported, that he had a large force of carpenters at work on buildings and stalls, and that the accommodations for articles and animals would be in readiness for exhibitors on the opening day of the Fair.

Permits and Privileges—Mr. Washburn stated that there was likely to be a scarcity of dining halls to feed all that would be in attendance at the Fair. The permits issued for booths and stands gave assurance that the receipts of the Fair for privileges would compare most favorably with those of the preceding year.

Mr. Brown, representing the Chicago Base Ball Association, asked the privilege of an exchange of advertisements on the State Fair Grounds for similar privilege in the base ball park.

Mr. Pearce moved,

That the managers of the Chicago Base Ball Park be permitted to distribute dodgers on the State Fair Ground.

Mr. Dysart moved as an amendment,

That the privilege be granted provided that the managers of the ball park prepare and display a conspicuous sign in the base ball park calling attention to the time and place of holding the State Fair.

Mr. Washburn moved as a substitute,

That the managers of the ball park be permitted to erect on the inside of the track opposite the amphitheatre and near the entrances, a frame-work and display thereon a sign. Substitute adopted.

Class F., Mechanics—Mr. Vaughan reported that a large show of manufactured articles was assured in his department.

Class D., Swine—Mr. David stated that two-thirds of the pens were already occupied, and that the exhibits en route to Chicago would fill the remaining pens.

On motion of Mr. Virgin, the Board adjourned subject to the call of the President.

(Signed) JOHN LANDRIGAN, *President.*

SHERMAN HOUSE, CHICAGO,
8 O'CLOCK P. M., MONDAY, Sept. 6, 1886.

The Board met in special session on the call of the President

Present--President Landrigan, Vice Presidents Pearce, Morse, Vaughan, Reynolds, Griffith, Haskell, Dysart, Virgin, Vittum, David, Rush, Judy, Funk, Chester, Skeavington, Gore, Pullen and Washburn.

Upon call the following reports of Superintendents were received.

Class I, Art—Mr. Pearce reported a larger and better collection of exhibits in Art than heretofore exhibited at the State Fair.

Class K, Textile Fabrics—Mr. Morse reported that the space in his department was crowded with attractive exhibits.

Class A, Dairy Breeds—Mr. Reynolds stated that there was a large and creditable exhibit of the various dairy breeds of cattle.

Class E, Poultry—Mr. Griffith reported a large exhibit of the several varieties of poultry.

Gates and Tickets—Mr. Dysart stated that there was much difficulty in guarding the fences, owing to the warm weather, which necessitated the opening of the fence to give the horses and cattle air--the fences forming the outside of the stalls.

Motion of Mr. Virgin adopted,

That the Superintendent of Gates be authorized to employ sufficient force to guard the fences.

Mr. Funk called attention to the following announcement made by the commission men of the Union Stock Yards, and recommended that premium be awarded on Thursday, September 9, 1886:

One Thousand Eollars, Grand Sweepstakes Herd Prize, offered by the Commission Men, etc., of the Union Stock Yards, Chicago, Illinois, for the best herd of breeding cattle exhibited at the Illinois State Fair, September 6–10, 1886.

The undersgned desire to call the attention of the breeders of beef cattle to the recognized advantages of making an exhibit of their stock at the Illinois State Fair, to be held in this city, September 6–10, 1886.

Chicago is the headquarters for the sale of beef cattle, as well as of breeding animals of the beef breeds, and there will be a larger number of buyers of breeding cattle in attendance at the Illinois State Fair of 1886 than at any other similar exhibition in this country.

The undersigned, with a view of encouraging breeders of beef cattle, have provided one thousand dollars to be awarded the best herds of beef cattle on exhibition at the coming State Fair, and cordially invite breeders from abroad, as well as from Canada and the United States, to contend for the most liberal prizes ever offered for herds.

All the recognized beef breeds of record are eligible to competition, and the Herd Book Associations and the friends of the respective breeds are requested to heartily co-operate with the undersigned in making the exhibit the largest and best ever before collected together.

The emulation among breeders, and the assurance of a better demand for beef stock, is such that the owners of the best beef herds in the several states will duly appreciate the great advantages of being strongly represented at what promises to be the most notable show of the various breeds of beef cattle on record.

No effort will be spared to secure the attendance at the Illinois State Fair of 1886 of the feeders and shippers of beef cattle throughout the country, and breeders who desire to meet the largest number of the leading buyers will serve their interest by being present with their herd.

For further information concerning the Grand Sweepstakes Herd Prize for breeding cattle of the beef breeds, and the conditions governing the award, address Charles F. Mills, Secretary Illinois State Fair, at Springfield, Illinois.

The friends and patrons of the undersigned, in attendance at the next State Fair, are earnestly requested to call on the subscribers at their respective offices at the Union Stock Yards Exchange.

Adams, Eldrige & Co.
Adams, Geo. & Burke.
Brown, Price & Co.
Bunker & Cochrane.
Brown, Ed., Tipton & Co.
Brush, Gage & Co.
Campbell, J. H., & Co.
Clay & Forest.
Conover & Herrick.
Cady, S. P., & Co.
Coffman & Brown.
Darlington, McGaughey & Co

Drover National Bank.
Doud, Levy B., & Co.
Dickson & Lott.
Gregory, Cooley & Co.
Greer, Mills & Co.
Hall Brothers.
Hanna, Clark & Co.
Harrison, B. F.
Harpole, Andrews & Co,
Hunter, Evans & Co.
Hamiel Brothers.
Ingurson Brothers.
Keenan & Hancock.
Mallory, H G. & Bro.
Mallory & Son.
Morris, Nelse.
Martin Brothers.
McCurdy & Co.
McIlhenny & Co.
O'Donnell, Simon
Patterson, Byers & Co.
Paxton, Shattuck & Co.
Rappal, Lamb & Co
Rosenbaum, Bro. & Co.
Robinson, J. M., & Co.
Reynolds, C. F.
Stafford, John E.
Shannon, Bro. & Co.
Strahorn, R., & Co.
Swift & Co.
Union Stock Yards Bank.
Waugh Bros. & Warner.
Wolf & Pfaelzer.
Wood Brothers.
Wagner Bros. & Co.
Wadsworth & Co.

All herds of beef cattle competing for the herd prizes offered by the managers of the Illinois State Fair will be eligible to compete for the Grand Sweepstakes Herd Prize, which will be distributed as follows:

First prize herd, $500. Second prize herd, $300. Third prize herd, $200.

Mr. Pullen reported that the manufacturers had arranged for a trial of plows on the outside of the Fair Grounds, and that interested parties desired to pass out of and into the grounds.

Motion of Mr. Judy adopted,

That the matter of passing to and from the grounds to the plow trial be referred to Mr. Pullen and the Superintendent of Gates.

The following letter was read:

CHICAGO, ILL., Sept. 6, 1886.

To the President and Board of Directors of the Illinois State Fair:

GENTLEMEN—We, the undersigned, respectfully show that we are breeders of Angus cattle, and have thirty-three head on exhibition with you.

We request that you furnish us a class separate and distinct from any other breed, in which to exhibit our cattle. Our reasons are:

1. The Aberdeen-Angus cattle are a distinct breed from all others, have a herd book of their own, and are as justly entitled to consideration as a breed, as are the Short-Horns, Herefords and Devons, each of which are provided with separate classes.

2: Our expenses in exhibiting a herd of Angus are as great and your charges are the same as for any other breed, yet we are given only half a loaf, while all others, except the Galloways, are given full premiums.

We respectfully submit that if the Angus and Galloway must be classed together because both breeds are black, both hornless and both come from Scotland, that the Short-Horns and Devons should be classed together, for both are red, both horned and both come from England.

We trust your honorable Board will not only see the reasonableness, but also the justice of our request and will give the Angus breed the recognition it deserves.

When it comes to sweepstakes, we shall be pleased to show not only against the Galloways, but also against all other breeds, but in the class we wish to show only against our own breed; to have the same treatment from you as you accord the other breeds.

We are very respectfully,

JOHN S. GOODWIN, Beloit, Kas.
JOHN ROXBURGH,
ANDERSON & FINDLAY.

Mr. Funk moved that the prayer of the petitioners be granted.

Mr. Haskell moved as a substitute that the consideration of the subject be postponed to the winter meeting. Substitute adopted.

Mr. Haskell reported that the space assigned to his department was crowded with attractive exhibits and that everything was in readiness for the awarding of premiums.

Mr. Lewis reported that the arrangements for the races for Tuesday were such as to insure good races. The show of light horses was large and creditable.

Mr. Virgin reported that all the stalls were assigned, and that sheep pens were being used to accommodate cattle.

Mr. Washburn moved that the General Superintendent be authorized to assign two stands to each of the several papers.

Mr. Vaughan moved as a substitute that permission be given each paper to have one stand and two boys on the Fair Grounds to sell papers, which was adopted.

Mr. Vittum reported a large show of sheep of the several breeds on exhibition.

Mr. David reported a large and meritorious exhibit of swine of the several breeds.

Mr. Rush reported his department well filled and in readiness for the inspection of the public.

Mr. Funk reported that the exhibit of beef cattle had seldom if ever been exceeded in number and quality at any former Fair.

Mr. Chester reported that there was a respectable exhibit of dairy products and dairy utensils.

Motion of Mr. Morse adopted,

That the printing committee be authorized to employ a band to parade the streets for the purpose of advertising the State Fair.

Motion of Mr. Funk adopted that the matter of providing colors for the drivers in the races, be left to the Superintendent of the Speed Department.

On motion of Mr. Judy the Board adjourned subject to the call of the President.

SHERMAN HOUSE, CHICAGO,
September 8, 1886—Wednesday, 8 o'clock P. M.

The Board met in special session on call of the President.

Present—President Landrigan, ex-President Scott, and Vice-Presidents Pearce, Vaughan, Reynolds, Griffith, Haskell, Dysart, Lewis, Virgin, Vittum, David, Rush, Funk, Chester, Gore and Gillham.

Mr. D. M. Bowman requested permission to exhibit a coal oil-burner stove in operation in the Mechanic Hall at the Fair Ground.

Mr. Vaughan moved to grant the request.

Mr. Scott moved as a substitute that permission be not granted the applicant. Substitute adopted.

The following protest and communication was read:

CHICAGO, September 7, 1886.

To the Illinois State Board of Agriculture:

WHEREAS, I Robert Vial, of Western Springs, Illinois, an exhibitor of Holstein-Friesian cattle, beg leave to state that I protest against your honorable body paying or allowing the cattle of one George E. Brown, of Aurora, to compete in the Holstein-Friesian classes or your paying premiums to him. The said George E. Brown, I truly believe failed to enter his cattle in compliance with your rules, because he failed to enter them in time as provided in rule nine on page 14 in your book of premium lists, which is as follows: "Entries close Saturday, September 4, 1886, at 6 o'clock P. M.." and I verily believe that he did not enter his Holstein-Friesian cattle until after examining the cattle upon the grounds Monday, the 6th inst.

(Signed) ROBERT VIAL.

STATE OF ILLINOIS, } ss.
COUNTY OF COOK. }

I, Robert Vial, being duly sworn, say that the facts above set forth are true to the best of my knowledge and belief.

(Signed) ROBERT VIAL.

Subscribed and sworn to before me this 7th day of September, A. D. 1886.

(Signed) RICHARD S. HERBERT, *Notary Public.*

AURORA, ILL., September 8, 1886.

To the Honorable State Board of Agriculture:

GENTLEMEN—I am informed that a protest has been entered against my showing of Holsteins, and the Superintendent of Cattle Department has requested my personal attendance before you to argue my defense. I regret that a previous engagement prevents my doing so. I, therefore, send you this written communication:

Your Secretary will inform you that I engaged thirty-five stalls, paying for them last May. On my return from Europe, I found that the Shire Association desired me to make a large show of horses, and finding that in order to do this I must engage more stalls or else forego showing Holsteins. I therefore sent the fee, ten dollars, for ten more stalls, to Hon. John Virgin; he understood from my letter that if I could not have ten stalls I did not want any, and so returned my money, as he had not that many to allow me. This was my fault, as I was not explicit enough. Of course, if I could not have the stalls, I decided to leave the cattle at home till I could come to the grounds and see Mr. Virgin, in hopes that he might at last moment have stalls left, and this I found to be the case, and I secured them at once and brought my cattle at the earliest possible moment.

If I had been sure of the stalls, would have brought them on Monday. I looked and inquired for superintendent of cattle ring, Mr. Reynolds, on Monday, but was told he would not be there till Tuesday, so could not get his consent before bringing cattle.

Supposing that my reasons for delay were sufficient, I acted in good faith in making my entries, but I will submit gracefully to your decision.

Very respectfully yours,

(Signed) GEO. E. BROWN.

P: S.—I hardly need to remind yon of my large exhibits of both cattle and horses for the past thirteen years, nor to the quality of the stock I have shown.

G. E. B.

Mr. Gillham moved that the protest be declared sustained.

The following communication was read:

CHICAGO, Sept. 8, 1886.

O. G. Ventres, being first duly sworn, on oath says:

To the Secretary of the State Board of Agriculture:

I desire to call your attention to the fact that your committee on awards, on Arts, Class I, have awarded the premium on second best "animal painting" to a piece of work in pottery, *improperly entered* under Lot 114, including portraits, landscapes, animal and game pieces in oil and water colors, as universally understood to be distinct from china, pottery and velvet painting, which properly entered, come under Lot 115.

Last year I was excluded from competition or award of the first premium on flowers, because improperly entered under decorative work. Or, to be more exact, last year I was refused the first premium *awarded me by the committee*, for flowers, because improperly entered under decorative work as a "panel of flowers."

I think it desirable a ruling should be established.

As an artist, I would also most respectfully suggest the propriety of making a distinction in your premium lists between animal painting from life and those copied from chromos.

[Signed.] O. G. VENTRES.

STATE OF ILLINOIS, } ss.
County of Cook. }

Subscribed and sworn to before me, this eighth day of September, A. D. 1886.

[Signed.] WILLARD L. GILLHAM,
Notary Public.

Motion of Mr. Haskell adopted,
That the matter be referred to the Superintendent of the Art Department.

Mr. Funk called attention to the necessity of providing a cooling room for the carcasses at the Fat Stock Show.

Motion of Mr. Morse adopted,
That the matter be referred to a committee of two.

The President appointed as said committee, Messrs. Funk and Morse.

Motion of Mr. Gillham adopted,
That Messrs. Pearce and Reynolds be added to the committee.

Motion of Mr. Funk adopted,
That the President be appointed a committee to wait upon the American Percheron Association and their guests and invite them to appear before the Board.

The following gentlemen were received and introduced to the Board:

Senator Palmer, Baron Henry LeCouleulx-de-Caumont, Officer-des Haras.

Motion of Mr. Gillham adopted,
That the thanks of the Board be extended to the gentlemen named above for interest taken in the exhibition of horses at the State Fair.

On motion of Mr. Scott,
The Board adjourned subject to call of the President.

SHERMAN HOUSE,
THURSDAY, 8 P. M., Sept. 9, 1886.

Board met in special session on call of the President.

Present—President Landrigan, Ex-President Scott, Vice Presidents Pearce, Reynolds, Griffith, Haskell, Dysart, Lewis, Virgin, David, Judy, Rush, Funk, Chester, Gillham and Washburn.

Mr. Scott asked instruction as to what disposition the Board desired to make of the property.

Motion of Mr. Virgin adopted,
That the matter of storage of the property used in connection with the State Fair be left with the Superintendent of Purchasing Department, with power to act.

The following protest was read:

STATE OF ILLINOIS, } ss.
COOK COUNTY. }

To the State Board of Agriculture:

The undersigned protests against the eligibility of the entry made by T. B. Evans in the ring for boar and five of his get, in lot 72, premium 426, Chester White.

The herd was headed by a barrow instead of a boar, as specified in the list.

The facts were not in the possession of the protestant until after the award was made.

J. HARVEY EATON.

CHICAGO, September 9, A. D. 1886.

Personally appeared before me J. Harvey Eaton, who, being duly sworn, states on oath that the facts set forth in the above protest are correct and true.

Subscribed and sworn to before me the 9th day of September, A. D. 1886.

WILLARD L. GILLHAM,
Notary Public.

Mr. Lewis moved that the protest be sustained. Motion lost.

Mr. Gillham moved to reconsider.

The point of order being raised that Mr. Gillham could not make the motion, he having voted to sustain the protest, the President declared Mr. Gillham's motion in order.

Mr. Scott appealed from the decision of the chair.

Division called, the following vote was had:

Ayes—Pearce, Lewis, David, Rush, Judy, Chester, Gore and Gillham—8.

Nays—Reynolds, Griffith, Dysart, Virgin, Vittum, Funk, Pullen and Scott—8.

The appeal from the decision of the chair was declared not sustained.

Motion of Mr. Gillham adopted,

That butchers be selected to pass upon the exhibits of fat stock at the coming show, and that the same number be selected to serve as in 1885.

Motion of Mr. Dysart adopted,

That the judges in Classes B and N be selected by the superintendents of the departments.

Motion of Mr. Judy adopted,

That the President appoint a committee of five to select judges at the Fat Stock Show.

President appointed as said committee Messrs. Judy, Dysart, Pearce, Reynolds and Skeavington.

On motion of Mr. Judy the Board adjourned subject to the call of the President.

(Signed) JNO. LANDRIGAN.

CLUB HOUSE,
FRIDAY, Sept. 10, 1886.

Board met in special session on call of the President.

Present—President Landrigan, Vice-Presidents Reynolds, Dysart, Lewis, Virgin, Vittum, David, Judy, Pullen, Funk, Chester, Gore, Gillham and Washburn.

Mr. Gillham asked instruction about the continuance of the service of the fire department.

Motion of Mr. Judy adopted,

That the matter of continuing the firemen on duty be left with the General Superintendent.

Motion of Mr. Chester adopted,

That the matter of cleaning the Fair Grounds be referred to a committee appointed by the chair.

The chair appointed Messrs. Gillham and Pearce.

Mr. Dysart moved reconsideration of the vote declaring the protest against Mr. Evans not sustained adopted.

Motion of Mr. Gillham adopted,

That the further consideration of the subject be postponed until the winter meeting.

Motion of Mr. Gillham adopted,

That the Secretary be instructed to notify the parties interested of the date fixed for the consideration of the question.

On motion of Mr. Judy the Board adjourned subject to the call of the President.

(Signed) JNO. LANDRIGAN.

EXHIBITORS

AT THE

ILLINOIS STATE FAIR, 1886.

CLASS A—CATTLE.

Short Horn.

Olin, N. S. & Son, Streetsboro, O.
Potts, J. H. & Son, Jacksonville.
Sodowsky, Harvey, Indianola.
Strawn, Jas. G., Jacksonville.
Strawn & Boyce, Orleans.
Walker, C. C. & Son, New Madison, O.

Hereford.

Bertram, J, C., Bristol.
Borland, John, Stanton, Neb.
Clark, Thos., Beecher.
Curry, J. O., Aurora.
Earl, Adams, Lafayette, Ind.
Fowler & Van Natta, Fowler, Ind.
Frith, Charles, Milan, O.
Sprague, G. N., Berlin Heights, O.
Yeld & Griffith, Crete.

Devon.

Morse, J. W. & Son, Verona, Wis.
Payne, R. K., Parkman, O.
York, Irvin, Brock, O.
Younger & Whitmore, Fairbury.

Polled Angus or Galloway.

Anderson & Findlay, Lake Forest.
Brookside Farm Co., Ft. Wayne, Ind.
Goodwin Park Stock Farm, Beloit, Kan.
McKay, David, Ft. Wayne, Ind.
Roxburgh, Wm., Cedar Rapids, Ia.

Holstein-Friesian.

Beal, J. O., Rollin, Mich.
Brown, Geo. E. & Co., Aurora.
Oltmanns, A., Danforth
Reid & Co., Jacksonville.
Unadilla Valley Stock Ass'n, West Edneston, N. Y.
Vial, Robert, Western Springs.

Jersey.

Atkinson, G. W. P., Chicago.
Cone, W., Thornton.
Davis, Geo. F., Dyer, Ind.
Foster, A. P., Plainview, Minn.
Hawke, James, Chicago.
Jones, Mrs. N. N. & Son, Normal.
Wadhams, Seth, Elmhurst.

Ayrshire.

Coldren & Lee, Iowa City, Ia.
Stewart, John & Son, Elburn.

CLASS B—HORSES.

Thoroughbred.

Hakes, George, Dana.
Ivey, J. J., Little York.
McFarland, J. D., Lincoln, Neb.
Mahon, Jos., Washington, D. C.
Powers, Theron, Decatur.
Rust, F. M., Randolph.
Stericker Bros., Springfield.
Watts, A. B., Farmingdale.
Watts. T. B., Richland.

Roadster.

Armstrong, Andrew, Lincoln.
Akin, W. M., Evansville, Ind.
Baker, W. T., Bolivia.
Benham, Tom, Watseka.
Brennock, John, Chicago.
Casselman, C , Chicago.
Castle, Geo. J., Carlinville.
Caton Stock Farm, Joliet.
Crockett, W. D., Waukegan.
Crum Bros., Liter.
Dorsey, L. L., Jr., Louisville, Ky.
Flaugher & Stivers, Ripley, O.
Hill, Ira A., Chicago.
Holbrook, F., Glenwood.
Hudson, Wm , Chicago.
Kelly, John, Chicago.
Leet, John, Chicago.
McWhorter, P. W., Orland.
Morse, E. D , Chicago.
Neely, W, J., Ottawa.
Newman, John, Elgin.
Parmeley, J. D., Peoria.
Rust, F. M., Randolph.
Scales, Y. D., Lincoln.
Scott, W. R., Chicago.
Schenck, G. D., Peoria.
Sheppard, Wm., Ottawa.
Stribling & Sons, Virginia.
Yates, H. H., Chicago.

Saddle Horses.

Baker, W. T., Bolivia.
Bright, R., Normal.
Brooks, J. W., Jr., Chicago.
Buckner, H. G., Erlanger, Ky.
Covert, Geo. H., Chicago.
Eddy, C. B., Shelbyville, Ky.
March, Edward, Chicago.
Means, G. W., Hersman.
Pearce, J. Irving, Jr., Chicago.
Rowland, N. H., Lexington, Ky,
Rust, F. M., Randolph.
Snyder, E. J., Chicago.
Stevenson, Charles, Bloomington
Stribling & Sons, Virginia.
Travis, E. J., Chicago.
White, C. B., Chicago.

Carriage Horses.

Armstrong, Andrew, Lincoln.
Caton Stock Farm, Joliet.
Eddy, C. B., Shelbyville, Ky.
Fancher, Harry, Chicago.
Griffin, Thos. H., Chicago.
Martindale, H. H., Chicago.
Means, Geo., W.. Hersman.
Pearce, J. Irving, Jr., Chicago.
Rowland, N. H , Lexington, Ky.
Stribling and Sons, Virginia.
Treadwell, H A., Elgin.
Waxell, Isaac, Chicago
Whildong,, J., Big Rock.

Gentlemen's Driving Horses.

Armstrong, Andrew, Lincoln.
Boyle, James, Chicago.
Brennock, John, Chicago.
Caton Stock Farm, Joliet.
Castle, Geo. J., Carlinville.
Covert, Geo. H., Chicago.
Crum Bros., Liter.
Dillon Bros., Normal.
Dorsey, L. L., Jr , Louisville, Ky.
Doty, Addison, Chicago.
Dunning, J. C., Chicago
Eddy, C. B , Shelbyville, Ky.
Fancher, Harry, Chicago.
Griffin, Thos. H., Chicago.
McFarland J D , Lincoln, Neb.
Means, Geo. W., Hersman.
Morse, E. D., Chicago.
Neeley, W. J., Ottawa.
Nelson, O. C., Chicago.
Newgass, M., Chicago.
Parmely, J. D., Peoria.
Pearce, J. Irving, Jr., Chicago.
Schenck, G. D., Peoria.
Strawn & Boyce, Orleans.
Stribling & Sons, Virginia.
Treadwell, H. A., Elgin.
Waxell, Isaac, Chichgo.
Whildong, J., Big Rock.

Equestrianism.

Burgess, Charles, Wenona.
Eddy, C. B , Shelbyville, Ky.
Palm, John, Chicago.
Palm, George, Chicago.
Van Norman, Hubert, Aurora.

Saddle Ponies.

Brown, Geo. E. & Co., Aurora.
Burgess Bros., Wenona.
Palm, John H., Chicago.
Ryan, M. W., Chicago.
Stevenson, Chas., Bloomington.
Stewart, John, & Son, Elburn.

Speed.

Two-year-old Trotters.

Brown, D. G., Chicago.
Caton Stock Farm, Joliet.
Danforth, A. G., Washington.
Dorsey, C. J. & R. O., Louisville, Ky.
Dorsey, L. L., Jr., Louisville, Ky.
Flaugher & Stivers, Ripley, O.
Morse, E. D., Chicago.
Muir, T. B., Chilesburg. Ky.
Neely, W. J., Ottawa.
Sanborn, W. A., Sterling.
Scales, Y. D., Lincoln.
Schenck, G. D , Peoria.
Stone, J. R., Eagleville, O.
Taylor, D. C., Kankakee.
Warlow & Petefish, Virginia.
Wilson, W. H., Cynthiana, Ky.

Three-year-old Trotters.

Buckley, Charles, Chicago.
Caton Stock Farm, Jollet,
Danforth, A. G., Washington.
Dorsey, L. L., Jr., Louisville, Ky.
Dupee, John, Chicago.
Fisher, John W., Quincy.
Flaugher, L. E , Ripley; O.
Lancaster, Reuben, Virginia.
Longley, A. W., Chicago.
Scales, Y. D., Lincoln.
Shepherd & Hess, Ottawa.
Taylor, D. C., Kankakee.
Tomkins, W. R., Gallatin, Tenn.

Four-year-old Trotters.

Akin, W. M., Evansville, Ind.
Barker, Del, Belton, Mo.
Buckley, Chas., Chicago.
Caton Stock Farm, Joliet.
Danforth, A. G., Washington.
Hulse & Son, Carlinville.
Knight & Peabody, Detroit, Mich.
Sanborn, W. A., Sterling.
Shuler, V. L., Chicago.
Tomkins, W, R., Gallatin, Tenn.

Trotting Stallions Making Season of 1886.

Barker, Dell, Belton, Mo.
Brown, D. G., Chicago.
Castle, Geo. J., Carlinville.
Corbin & Fisher, Quincy.
Corbin, Washington, Quincy.
Dixon, Robert, Henderson, Ky.
Sapp, Daul, Pekin.
Scales, Y. D., Lincoln.
Waters, F. S., Chicago.

Two-year-old Runners.

Arnett, L. W., Sharon.
Burke, Jas. C., Chicago.
Campbell, J. S , New Orleans, La.
Ivey, J. J , Little York.
Linell, W. B., Pontiac.
Warren, Phil., Springfield.
Warren & Kahn, Springfield.

Three-year-old Runners.

Arnett, Wm., Sharon.
Campbell, J. S., New Orleans, La.
Gaddis, D. A., Morris.
Ivey, J. J., Little York.

Four-year-old Runners.

Arnett, Wm., Sharon.
Burke, Jas. C., Chicago.
Campbell, J. S., New Orleans, La.
Ivey, J. J., Little York.

Running Stallions making season of 1886.

Connelly, J. J., Chicago.
Ivey, J. J., Little York.
Trimmer, Enos A., Towanda.

Grand Pacing Stake.

Anderson, R. M., Nashville, Tenn.
Ham, W. D., Hennepin.
Johnson, J. B., Elgin.
McFarland, J. B., Lincoln, Neb.
Quinlan, D. L., Trenton, N. J.
Rohrbach, Abe., Stillwater, Minn.

Grand Trotting Stake.

Strauss, Nathan, New York, N. Y.
Wagner, Chas., Detroit, Mich.

Illinois Stakf.

Woodruff, O. F., Morrison.

Chicago Stake.

Campbell, J. S., Chicago.
Gaddis, D. A., Morris.
Hakes, George, Dana.
Trimmer, E. A., Towanda.

Special Stake.

Doble, Budd, Chicago.
Dook, W. H., Lexington, Ky.
Splan, John, Cleveland, O.

Special Purse—Trotters.

Brown, D. G., Chicago.
Doble, Budd, Chicago.

Running—Mile and Repeat.

Hakes, Geo., Dana.
Hulls, Wm. Chicago.
Ivey, J. J., Little Yock.

French Draft.

Atchison, D., & Co., Waynesville.
Ayers, J. B., & Sons, Danvers.
Cress Bros., Washington.
Degen Bros,, Ottawa.
Dillon Bros., Normal.
Fowler, C. H., Wenona.
Hodgson, Ed., ElPaso.
Ligonier Live Stock Association, Ligonier, Ind
Mills, D. C., Ottawa.

Percheron.

Ames, M. T., Minonk.
Beckman, H. C., & Son, Brunswick, Ind
Bowles & Hadden, Janesville, Wis.
Brickman & Baker, Rednorville, Ont.
Brown, L. & M. A., Delavan, Wis.
Costello Bros., Grand Ridge.
Curry, J. W , Olena.
Delancey, J. H., Elgin.
Dillon Bros., Normal.
Dunham, D., Wayne.
Dunham, M. W., Wayne.
Edwards, H. C., Dundee.
Ellwood, W. L., DeKalb.
Foulk, John, Mendota.
George, Milton, Chicago.
Hammond, E. C., Harvard.
Harper Bros., Paw Paw.
Hayden, Edgar, Lowell, Ind,
Hayner, J. G., Janesville, Wis.
Hodgson, Ed., ElPaso.
Hupp, S. W., Serena.
Johnson, Leonard, Northfield, Minn.
Kellogg, R. B., Green Bay, Wis.
Lake, B., Grey Willow.
Laufer, Geo., Mokena.
Lewis, John C., Roseville.
McCalley, M., Cedar Rapids, Ia.
McKee, A. F., Browning, Mo.
Murray Bros., Polo.
Nagle, R. & Son, Grand Ridge.
Pabst, Fred., Milwaukee, Wis.
Palmer, T. W., Detroit, Mich.
Parson & Baldwin, Watervliet, Mich.
Payne, Levi, Chicago.
Reed & Steel, Rantoul.
Roberts, Jno. D., Waterman.
Savage & Farnum, Detroit, Mich.
Seymour, J. W., Elgin.
Shannon, Hugh, Coleta.
Slattery, T., Onargo.
Stetson, Ezra & Son, Neponset.
Storms Bros., Morley, Ia.
Vaile, E G., Rochelle.
Van Dolah, D. H., Lexington.
Wells, R. L., Lanark.

Clydesdales.

Blair Bros & Curry, Aurora.
Blodgett, A. Z., Waukegan.
Brookside Farm Co , Ft. Wayne, Ind.
Cress Bros , Washington.
Door Prairie Live Stock Association, Door Village, Ind.
Foulk, John, Mendota.
Galbraith Bros., Janesville, Wis.
Holloway, Robert, Alexis.
Hupp, S, W., Serena.
Ligonier Live Stock Association, Ligonier, Ind.
Lilley, Charles, Kewanee.
Melbourne Stock Farm, Washington.
Moffatt, W. M. & Bro., Paw Paw.
Moffatt, Jos., Paw Paw.
Muirhead, Geo., Plato Centre.
Murray, J. & R., Dixon.
Norris & Clark, Dover.
Ogden, R. & Son, Cameron.
Story, Elijah, Kewanee.

English Shire.

Ayers, J. B., Danvers.
Blair Bros. & Curry, Aurora.
Brown, Geo. E., & Co., Aurora.
Burgess Bros., Wenona.
Galbraith Bros., Janesville, Wis.
Hodgson, Ed., El Paso.
Ligonier Live Stock Association, Ligonier, In
Mahon, Jas , Mansfield, O.

Melbourne Stock Farm, Washington.
Miller Bros., Mackinaw.
Moffatt, W. M. & Bro., Paw Paw.
Norris & Clark, Dover.
Patterson, T. J., Farm Ridge.
Stericker Bros., Springfield.
Tucker, W. W., La Rose.
Zimmerman, Conrad, Richland.

Cleveland Bay.

Blair Bros. & Curry, Aurora.
Brown, Geo. E., & Co., Aurora.
Burgess Bros., Wenona.
Door Prairie Live Stock Association, Door Village, Ind.
Fisher, David, Goderich, Ont.
Fisher & Beacon, Goderich, Ont.
Fowler, C. H., Wenona.
Miller Bros., Mackinaw.
Stericker Bros., Springfield.
Stimpson, G. W., Quincy.

Grade Draft Horses.

Ames, Miner T., Minonk.
Atchison, D., Waynesville.
Atchison, D., & Co., Waynesville.
Atchison, W., Waynesville.
Ayers, J. B. Danvers.
Ayers, J. B. & Son, Danvers.
Brickman & Baker, Redneyville, Ont.
Brown, L. & M. A., Delavan, Wis.
Cress Bros., Washington.
Cullom, H. C., Joliet.
Dillon Bros , Normal.
Eddy, C. B., Shelbyville, Ky.
Fisher, D., Goderich, Ont.
Foley. J. B., Gibson City.
Foster, A. P., Plainview, Minn.
Harper, B. S., La Rose.
Hodgson, Ed., ElPaso.
Holloway, Robert, Alexis.
Lauffer, Geo., Mokena.
Lilley, Chas., Kewanee.
Moffatt, Wm. & Bro , Paw Paw.
Moffatt, Jos., Paw Paw.
Nagle, R. & Sons, Grand Ridge.
Ogden, E., Cameron.
Ogden, R., Cameron.
Ogden, R. & Son, Cameron.
Parson & Baldwin, Watervliet, Mich.
Powis, J. E., Wayne.
Soderberg, A. G , Osco.
Vaile, E. G., Rochelle.
Weaver, A. L., Carey Station.

Grade Draft Horses.

Ames, Miner T., Minonk.
Armstrong, Andrew, Beason.
Baker, W. T., Bolivia.
Burgess Bros., Wenona.
Cater Bros., Libertyville.
Cress Bros., Washington.
Crum Bros., Liter.
Dederick & Co.
Degen Bros., Ottawa.
Dunlay, J. R., Sherman.
Fisher, David, Goderich, Ont.
Fowler. C. H., Wenona.
Hill, Ira A., Chicago.
Hodgson, Ed, El Paso.
Means, Geo. W., Hersman.
Miller Bros,, Mackinaw.
Neely, W. J., Ottawa.
Oltmanns, A., Danforth.
Powis, J. E., Wayne.
Rust, F. M., Randolph.
Stericker Bros., Springfield.
Stribling & Sons, Virginia.

Jacks, Jennets and Mules.

Babb, Albert, Taylorville.
Benjamin, C. L., Big Rock.
King, D. H., Jackson.

CLASS C—SHEEP.

Cotswolds.

Davis, Geo. F. & Co., Dyer, Ind.
Graham, D. C., Cameron.
Long, John, Waukegan.
Newton, Mrs. Ann, Pontiac, Mich.
Willson, Frank, Jackson, Mich.

Lincoln.

Graham, D. C., Camerom.
Newton, Mrs. Ann, Pontiac, Mich.

Leicester.

Graham, D. C., Cameron.
Long, John, Waukegan.
Newton, Mrs. Ann, Pontiac, Mich.

Southdown.

Newton, Mrs. Ann, Pontiac, Mich.

Shropshire.

Allen, George & Son, Archie.
Long, John, Waukegan.
McCormack, H., Lake Forest.
Newton, Mrs. Ann, Pontiac, Mich.
Todd, S. H., Wakeman, O.

Hampshire.

Allen, George & Son, Archie.
Newton, Mrs. Ann, Pontiac, Mich.
Willson, Frank, Jackson, Mich.

Oxford.

Allen, George & Son.
Newton, Mrs. Ann, Pontiac, Mich.
Powis, J. E., Wayne.
Stone & Loake, Stonington.

American Merino.

Graham, D. C., Cameron.
Mahan, L. E., Champaign.
Mills, R. H., Palmyra, Wis.
Peck, E. & Sons, Geneva.
Wood, A. A., Saline, Mich.

French, Silesian and Saxony Merino.

Graham, D. C., Cameron.

Flocks.

Allen, George & Son, Archie.
Graham, D. C., Cameron.
Peck, E. & Sons, Geneva.
Powis, J. E., Wayne.
Stone & Loake, Stonington.

CLASS D—SWINE.

Berkshire.

Gentry, N. H., Sedalia, Mo.
Gilmour, A. S. & Co., Greensburg, Ind.
Hamilton, L. W., Sandusky, Ind.
Rankin, A. & Son, Gerlaw.

Poland-China.

Adams, A. G., Tolono.
Clark, H. H. & Co., Onarga.
Clevenger, Chas. H., Champaign.
Ciow Bros., East Wheaton.
Coffman, John & Bro., Danvers.
Elliott, E E., Knightstown, Ind.
Gilmour, A. S. & Co., Greensburg, Ind.
Hall, J. E., Valparaiso, Ind.
Hamilton, L. W., Sandusky, Ind.
Lock, J. W., Remington, Ind.
Nash, H. J., Urbana.
Waite, E. & Son, La Grange, Wis.

Victoria.

Brabazon, J. R., Delavan, Wis.
Davis, George & Co., Dyer, Ind.
Stone & Loake, Stonington.

Chester White.

Baker, C. W., Mansfield, O.
Eaton, J. H., Bucyrus, O.
Evans, T. B., Geneva.
Todd, S. H., Wakeman, O.

Essex.

Gilmour, A. S., & Co., Greensburg, Ind.
Neeley, W. J., Ottawa.
Willson, Frank, Jackson, Mich.

Small Yorkshire and Suffolk.

Norton, W. C., Agt., Aldenville, Pa.
Willson, Frank, Jackson, Mich.

Duroc Jersey Red.

Maxham, H. N., Ivanhoe.
Rankin, A., & Son, Gerlaw.
Stoner, G. W., La Place.

CLASS E—POULTRY.

Asiatic.

Bartlett, P. A. Jacksonville.
Benjamin, C. L., Big Rock.
Bourland, R. R., Peoria.
Brabazon, J. R. Delavan, Wis.
Brown, Harrison, Normal Park.
Cass, Jas. D., Beloit, Wis.
Coates, Robert, Norwood Park.
Davis, Henry, Dyer, Ind.
Foote, J. B., Norwood Park.
Kennicott, E. E., Arlington Heights.
Palmquist, Chas., Knoxville.
Woodward & Sewell, Evanston.
Wurst, S. E., Elyria, O.

Dorking, Dominique and Plymouth Rock.

Bartlett, P. A., Jacksonville.
Benjamin, C. L., Big Rock,
Brabazon, J. R., Delavan, Wis.
Cass, Jas. D., Beloit, Wis.
Foote, J. B., Norwood Park.
Hamilton, L. W., Sandusky, Ind.
Munger, F. M., DeKalb.
Palmquist, Chas., Knoxville.
Wurst, S. E., Elyria, O.

Spanish.

Bartlett, P. A., Jacksonville.
Benjamin, C. L., Big Rock.
Brabazon, J. R., Delavan, Wis.
Kennicott, E. E., Arlington Heights.
Munger, F. M., DeKalb.
Palmquist, Chas., Knoxville.
Wurst, S. E., Elyria, O.

Hamburg.

Bartlett, P. A., Jacksonville.
Benjamin, C. L., Big Rock.
Brabazon, J. R., Delavan, Wis.
Munger, F. M., DeKalb.
Palmquist, Chas., Knoxville.
Wurst, S. E., Elyria, O.

Polish.

Bartlett, P. A., Jacksonville.
Benjamin, C. L., Big Rock.
Brabazon, J. R., Delavan, Wis.
Munger, F. M., DeKalb.
Palmquist, Chas., Knoxville.
Wurst, S. E., Elyria, O.

French.

Bartlett, P. A., Jacksonville.
Benjamin, C. L., Big Rock.
Brabazon, J. R., Delavan, Wis.
Munger, F. M., DeKalb.
Palmquist, Chas., Knoxville.
Wurst, S. E., Elyria, O.

Game.

Bartlett, P. A., Jacksonville.
Brabazon, J. R., Delavan, Wis.
Munger, F. M., KeKalb.
Wurst, S. E., Elyria, O.

Bantams.

Adams, A. G., Tolono.
Bartlett, P. A., Jacksonville.
Benjamin, C. L., Big Rock.
Brabazon, J. R., Delavan, Wis.
Fay, L., Racine, Wis.
Palmquist, Chas., Knoxville.
Wurst, S. E., Elyria, O.

Miscellaneous.

Benjamin, C. L., Big Rock.
Brabazon, J. R., Delavan, Wis.
Cass, Jas. D., Beloit, Wis
Coates, Robt., Norwood Park.
Foote, J. B., Norwood Park.
Kennicott, E. E., Arlington Heights.
Lindell, Lail E , Englewood.
Munger, F. M., DeKalb.
Palmquist, Chas., Knoxville.
Peck, E., & Son, Geneva.
Woodward & Sewell, Evanston.
Wurst, S. E., Elyria, O.

Guineas.

Bartlett, P. A., Jacksonville.
Benjamin, C. L., Big Rock.
Brabazon, J. R., Delavan, Wis.
Cass, James D., Beloit, Wis.
Munger, F. M., DeKalb.
Wurst, S. E., Elyria, O.

Turkeys.

Bartlett, P. A., Jacksonville.
Benjamin, C. L., Big Rock.
Brabazon, J. R., Delavan, Wis.
Cass, Jas. D., Beloit, Wis.
Davis, Henry, Dyer, Ind.
Foote, J. B., Norwood Park.
Hamilton, L. W., Sandusky, Ind.
Wurst, S. E., Elyria, O.

Ducks.

Bartlett, P. A., Jacksonville.
Benjamin, C. L., Big Rock.
Brabazon, J. R., Delavan, Wis.
Cass, Jas. D., Beloit, Wis.
Davis, Henry, Dyer, Ind.
Foote, J. B., Norwood Park.
Lindell, Lail, E., Englewood.
Wurst, S. E., Elyria, O.

Geese.

Bartlett, P. A., Jacksonville.
Brabazon, J. R., Delavan, Wis.
Wurst, S. E., Elyria, O.

Rabbits.

Wurst, S. E., Elyria, O.

Ferrets.

Brabazon, J. R., Delavan, Wis.
Wurst, S. E., Elyria, O.

Pigeons.

Bartlett, P. A., Jacksonville.
Schippel, F. A., Chicago.
Wurst, S. E., Elyria, O.

CLASS F—MECHANICS.

Stoves, Metal Work, etc.

Atkinson, S. M., Chicago.
Brown, J. H. & Co., Chicago.
Campbell, S. L., Chicago.
Chicago Scale Co., Chicago.
Davis, J. E., Chicago.
Harden Hand Grenade Fire Extinguisher Co., Chicago.
Hartong, Amos, Joliet.
Hubbard, Wm., Elgin.
Keenan & McMullen, Chicago.
Mitchell, S. J., Chicago.
Phillips, W. F., Chicago.
Reese, Lewis, Chicago.
Rogers & Hard, Portage City, Wis.
Rudd, L. B., Wheaton.
Sostheim, L. E., Chicago.
Welch, J. A., Chicago.

Furniture, Desks, etc.

Anderson, C. E., London, Ont.
Chicago Refrigetator Manufacturing and Cold Storage Co., Chicago.
Chicago Step Ladder Co., Chicago.
Gebhardt, W. H., Chicago.
Giles, Geo. T., Chicago.
Hartley Reclining Chair Co., Chicago.
Harris, F. M., Winamack, Ind.
Keenan & McMullen, Chicago.
National Ladder Co., Chicago.
Palmer, H. H., & Co., Rockford.
Pirnitz, G. & Son, Chicago.
Rudd, L. B., Wheaton.
Spicer's Kitchen Cabinet Co., Chicago.
The Woven Cord Furniture Co., Chicago.

Manufactures of Various Kinds.

Blatchford, E. W., & Co., Chicago.
Brown, John P., Rising Sun, Ind.
Coffin, Devoe & Co., Chicago.
Corris Wheel Factory, Kankakee.
Daniels, Mrs. A. M., Oak Park.
Dyer, Wm., Chicago.
Globe Nail Co., Chicago.
Jacobus, Mrs. Pauline, Chicago.
King, J. B., Chicago.
Knight, L. A., Cincinnati, O.
Manning, D. H., Sibley, Ia.
Marchant, C. H., Chicago.
Pyle, Jas., & Sons, Chicago.
Raven, L. A., & Co., Chicago.
Rymal, P. H., Chicago.
Snyder, O. W. F., Chicago.
Thorley Food Co., Chicago.

Leather and Products of Same:

Benton, Matthew, Batavia.
Burns, P. A., Chicago.
Chicago Rawhide Manufacturing Co., Chicago.
DeShon, J. R. A., Chicago.
Sherwood Harness Co., Syracuse, N. Y.

Sewing and Knitting Machines.

Singer Manufacturing Co., Chicago.

Mining Machinery.

Gleason & Bailey Mf'g Co., Chicago.

CLASS G—FARM PRODUCTS.

Grains and Seeds (By Amateurs.)

Angell, Orson, Oshkosh.
Bruning, Amelia M., Oak Park.
Bushnell, J. C., Eugene City, Oregon.
Chester, D. H., Champaign.
Clark, H. H., Onarga.
Crain, W. R., Junction.
Davis, Geo. F. & Co., Dyer, Ind.
Dick, F., Afton, Minn.
Dunlap, Henry M., Savoy.
Hodge, Wm. H., Morris.
Howe, E. E., Marengo.
King, James, Chicago.
Krug, G. B., Dwight.
Leonard, S. F., Chicago.
Rendleman, Willis, Makanda.
Sheddon, Robt., Pingree Grove.
Thompson, T. W., Makanda.
Vandercook, J. D., Austin.
Wilcox, John, Rockford.
Williamson, M. V. B., Chicago.
Willson, Frank, Jackson, Mich.
Wilson, Jas. W., Austin.
Wilson, Joseph, Libertyville.
Woodman, D., Paw Paw, Mich.

Grains and Seeds (By Professionals.)

King, Jas., Chicago.
Leonard, S. F., Chicago.
Vaughan, J. C., Chicago.

Corn.

Boatman, J. W., Carlinville.
Bryant, E. W., Princeton.
Clark, H. H., Onarga.
Crain, J. L., Villa Ridge.
Crain, W. R., Junction.
Freeman, C., Princeton.
Hodge, Wm H., Morris.
Howe, E. E., Marengo.
Jeffries, M., Morris.
Kellenberger, E. P., Melville.
King, Jas., Chicago.
Nims Bros., Emerson, Ia.
Rendleman, Willis, Makanda.
Scurlock, W. R., Likeston, Ind.
Sheddon, Robt., Pingree Grove.
Spaulding, J. P., Orchard Grove, Ind.
Thompson, T. W., Makanda.
Wilson, Jas. W., Austin.
Woodman, D., Paw Paw, Mich.

Vegetables.

Angell, O., Oshkosh, Wis.
Carter, M., Oak Park.
Clark, H. H., Onarga.
Colvin, A., Forest Hill.
Hermes, M., Havelock.
Hodge, Wm. H., Morris.
Howe, E. E., Marengo.
Jeffries, M., Morris.
Kellenberger, E. P., Melville.
King, Jas., Chicago.
Olds, B. B., Clinton, Wis.
Rendleman, Willis, Makanda.
Sheddon, Robt., Pingree Grove.
Thompson, T. W., Makanda.
Vaughan, J. C., Chicago.
Wilson, Jas. W., Austin.

Bread, Cakes, etc.

Benham, F. M., Grand Rapids, Mich.
Boyden, Emily M. B., Chicago.
Bridgman, H. M., Chicago.
Bronson, Mrs S, T., Belvidere.
Cohen, Esther, Chicago.
Cullom, Mrs H. C., Joliet.
Hinsey, Maud C., Pekin.
Keene, Mrs. Cellie, Atlanta.
Miller, Anna, Quincy.
Robinson, Mrs. A. E., Atlanta.
Sawyer, Mrs. E. W., Chicago.
Suson, Mrs. Anna, Chicago.

Bees, Honey, etc.

Caldwell, J. V., Cambridge.
Hackman, H S., Peru.
Strawn, Jas. G., Jacksonville.

CLASS H—HORTICULTURE AND FLORICULTURE.

Flowers and Plants (For Professional Florists and Dealers.)

Baller, F. A., Bloomington.
Hackman, H. S., Peru.
Heffron, D. S , Washington Heights.
Newett, Alex., Chicago.
Purvis, R J., Havelock.
Reissig, Charles, Chicago.
Vaughan, J. C., Chicago.
Wittbold, Geo., Lake View.

Cut Flowers (For Professional Florists.)

Abbott, E. J., Chicago.
Baller, F. A., Bloomington.
Buckbee, H. W., Rockford.
Burdick, W. A. & Co , Rockford.
Gallagher, M. F., Chicago.
Heffron, D. S., Washington Heights.
Kreitling, Walter, Chicago.
Krick, J., Chicago
Putzki, P., Chicago.
Reissig, Charles, Chicago.
Toole, Wm., North Freedom, Wis,
Vaughan, J. C., Chicago.
Wittbold, Henry, Chicago.

Cut Flowers, Floral Designs and Bouquets, (By Amateurs.)

Abbott, Mrs. E. J., Chicago.
Benham, F. M., Grand Rapids, Mich.
Emerick, Mrs. J. T., Elmhurst.
Hinsey, Maud C,, Pekin.
Hinsey, Mrs. C., Pekin.
Morgan, Mrs. N. W., Chicago.
Robinson, Mrs. A. E., Atlanta.
Sheldon, Mrs. O. A., Racine, Wis.
Stagg, Mrs. P. D., Greensburg, Ind.

Home-Grown Fruits, (For Professionals.)

Benham, F. M., Grand Rapids, Mich.
Crain, J. L., Villa Ridge.
Crain, W. R., Junction.
Dunlap, Henry M., Savoy.
Heffron, D. S , Washington Heights.
Johnson, Jas, T., Warsaw.
Larish, S , Pekin.

Home-Grown Fruits, (By Farmer or Amateur.)

Crain, J. L., Villa Ridge.
Crain, W. R., Junction.
Dunlap, E. L., Savoy.
Rendleman, Willis, Makanda.
Standish, J. V. N., Galesburg.
Woodman, D., Paw Paw, Mich.

Jellies, Preserves, Pickles, Etc.

Keene, Mrs. Cellie, Atlanta.
Robinson, Mrs. A. E, Atlanta.

CLASS I—ARTS.

Fine Arts.

Abbott, Mrs. E. J., Chicago.
Allen, Mrs. A. B., Chicago.
Baker, Nettie, Englewood.
Beardsley, Mrs. L. R., Chicago.
Bridgman, Mrs. J. W., Chicago.
Cleaver, F. S., Chicago.
Emerick, Mrs. I T, Elmhurst.
Garst, Edith, Chicago.
Henry, Mrs. J. C, Chicago.
Howard & Gookins, Chicago.
Hunt, Julia, Galesburg.
Jacobus, Mrs. Pauline, Chicago.
Jones, Annie W., Chicago.
Owens, Miss M. I., Chicago.
Parker, Grace C., Chicago.
Peters, Mrs. M H, Chicago.
Pfau, C. F., Quincy.
Plecker, Leila E, Chicago.
Rees, Emma, Geneseo.
Saunders, H. K., Chicago.
Ventres, Mrs. O. G., Chicago.
Wadhams, Mrs. J. A., Irving Park.
Walker, L, Rockford.

Decorative Art.

Abbott, Mrs. E. J., Chicago.
Beardsley, Mrs. L. R., Chicago.
Bebber, Henry R., Chicago.
Bement, Mrs. Geo., Belvidere.
Boyden, Emily M. B., Chicago.
Brown, Lyra A., Chicago.
Brown, Mrs. Mary A., Chicago.
Burns, Cornelia, Chicago.
Emerick, Mrs. J. T., Elmhurst.
Garst, Edith, Chicago.
Hewitt, Mrs. L. J., Chicago.
Hinsey, Maud C., Pekin.
Hunt, Julia, Galesburg.
Jacobus, Mrs. Pauline, Chicago.
Jacobus, Jennie, Chicago.
Keene, Mrs. Cellie, Atlanta.
Mahew, Mrs. Virginia, Hyde Park.
Morgan, Mrs N W., Chicago.
Owens, Miss M. I., Chicago.
Peters, Mrs. M. H. Chicago.
Plecker, Leila E., Chicago.
Putnam, Mrs. H., Chicago.
Putzki, P., Chicago.
Rees, Emma, Geneseo.
Richards, David, Chicago.
Robinson, Mrs. J. S., Chicago.
Saunders H K, Chicago.
Stagg, Mrs P D., Greensburg, Ind.
Tanner, Mrs. H. S., Paris.
Ventres, Mrs O. G, Chicago.
Wadhams, Mrs J. A., Irving Park.
Wills, Ella, Lebanon, Ind.

CLASS K—TEXTILE FABRICS.

Handiwork of the Exhibitor.

Beecher, Mrs. S., Chicago.
Bement, Mrs. Geo., Belvidere.
Berning, Amelia M., Oak Park.
Brown, Mrs. Mary A., Chicago.
Burns, Mrs. C. C., Greenburg, Ind.
Emerick, Mrs. J. T., Elmhurst.
Garst, Edith, Chicago.
Gault, Mrs. I. B., Knoxville.
Hewitt, Mrs. L. J., Chicago.
Hibbard, Mrs. A. J., Chicago.
Hills, Mrs Elmer, Delaware, O.
Hinsey, Mrs. C., Pekin.
Hinsey, Maud C., Pekin.
Howard, Jennie, Chicago.
Keene, Mrs. Cellie, Atlanta.
Liebhardt, Mrs. J., Knightstown, Ind.
Marshall, Mrs. A. C., Chicago.
McKay, Mrs. Isabella, Chicago.
Miller, Anna, Quincy.
Mitchell, Mrs. M. A., Chicago.
Morgan, Mrs N. W., Chicago.
Nearing, Mrs. J., Kenney.
Rees, Emma, Geneseo.
Robinson, Mrs. A. E., Atlanta.
Robinson, Mrs. J. S., Chicago.
Rockwell, Mrs. L E., Quincy.
Smith, Mrs. Mattie H., LaGrange.
Stagg, Mrs. P. D., Greensburg, Ind.
Tanner, Mrs. H. S., Paris.
Wills, Ella, Lebanon, Ind.

Quilts and Patchwork.

Allen, Mrs. Marian, Chicago.
Barker, Mrs. Sarah, Chicago.
Bement, Mrs, Geo., Belvidere.
Brown, Mrs. Mary A., Chicago.
Burns, Mrs. C. C., Greensburg, Ind.
Downing, Maria A., Chicago.
Glidden, Mrs. J. F., DeKalb.
Haskins. Betsey, Quincy.
Hinsey, Mrs. C., Pekin.
Hinsey, Maud C., Pekin.
House, Mary, Chicago.
Keene, Mrs. Cellie, Atlanta.
Kreitling, Walter, Chicago.
Liebhardt, Mrs. J., Knightstown, Ind.
Manville, C E., Chicago.
Miller, Anna, Quincy.
Mitchell, Mrs. M. A., Chicago.
Nearing, Mrs. J., Kenney.
Northway, Mrs. Minerva, Chicago.
Norton, W. C., Agt,, Aldenville, Pa.
Noyes, Mrs. C., Chicago.
Pearce, Mrs. J. Irving, Chicago.
Putnam, Mrs. H., Chicago.
Ransom, Mrs. E. D , Belvidere.
Robinson, Mrs. J. S., Chicago.
Rockwell, Mrs. L. E., Quincy.
Sawyer, Mrs. E. W., Chicago.
Stagg, Mrs. P. D., Greensburg, Ind.
Stevens, Mrs. M. A., Chicago.
Stevens, R. J., Elgin.
Tanner, Mrs. H. S., Paris.
Thayer, Mrs. C. M., Maroa.
White, Mrs. Elizabeth, Chicago.
Williams, Mrs. Martha, Chicago.
Wills, Ella, Lebanon, Ind.

Ornamental Needle Work.

Abbott, Mrs. E. J., Chicago.
Bement, Mrs. Geo., Belvidere.
Berning, Amelia M., Oak Park.
Boyden, Emily M. B., Chicago.

Burns, Mrs. C. C., Greensburg, Ind.
Davis, Mrs. H. H , Chicago.
Emerick, Mrs. J. T., Elmhurst.
Gault, Mrs. I. B., Knoxville.
Gillette, Nina, Elkhart.
Golden, May, Chicago.
Hewitt, Mrs. L. J., Chicago.
Hibbard, Mrs. A. J., Chicago.
Hills, Mrs. Elmer, Delaware, O.
Hinsey, Maud C., Pekin.
Keene, Mrs. Cellie, Atlanta.
Lester, Frances, Chicago.
Liebhardt, Mrs. J., Knightstown, Ind.
Miller, Anna, Quincy.
Morgan, Mrs. N. W., Chicago.
Nearing, Mrs. J., Kenney.
Parsons, Mrs. J., Chicago.
Pearce, Mrs. J. Irving, Chicago.
Plecker, Leila E., Chicago.
Rees, Emma, Geneseo.
Richards, Harriet E., Evanston.
Robinson, Mrs. A. E., Atlanta.
Robinson, Mrs. J. S., Chicago.
Rockwell, Mrs. L. E., Quincy.
Sawyer, Mrs. E. W., Chicago.
Stagg, Mrs. P. D., Greensburg, Ind.
Tanner, Mrs. H. S., Paris.
Tilton, Mrs. A. E. S., Chicago.
White, Mrs. Martha J., Chicago.
Wills, Ella, Lebanon, Ind.

Fancy Work.

Bement, Mrs. Geo., Belvidere.
Berning, Amelia M., Oak Park.
Bridgman, H. M., Chicago.
Brown, Mrs. Mary A., Chicago.
Burns, Mrs. C. C., Greensburg, Ind.
Emerick, Mrs. J. T., Elmhurst.
Gault, Mrs. I. B., Knoxville.
Golden, May, Chicago.
Hewitt, Mrs. L. J., Chicago.
Hills, Mrs Elmer, Delaware, O.
Hinsey, Maud C., Pekin.
Lester, Frances, Chicago.
Liebhardt, Mrs. J., Knightstown, Ind.
Manville, Mrs. C. E., Chicago.
Miller, Anna, Quincy.
Morgan, Mrs. N. W., Chicago.
Nearing, Mrs. J., Kenney.
Pearce, Mrs. J. Irving, Chicago.
Richards, Harriet E., Evanston.
Robinson, Mrs. J. S., Chicago.
Rockwell, Mrs. L. E., Quincy.
Stagg, Mrs. P. D., Greensburg, Ind.
Strack, Carl, LaSalle.
Tanner, Mrs. H. S., Paris.
White, Mrs M. J., Chicago.
Wills, Ella, Lebanon, Ind.

Display of Ladies' Work.

Bement, Mrs. Geo., Belvidere.
Boyden, E. M. B., Chicago.
Burns, Mrs. C. C., Greensburg, Ind.
Gault, Mrs I. B., Knoxville.
Golden, May, Chicago.
Hewitt, Mrs. L. J., Chicago.
Hills, Mrs. Elmer, Delaware, O.
Hinsey, Maud C., Pekin.
Keene, Mrs. Cellie, Atlanta.
Lester, Frances, Chicago
Liebhardt, Mrs. J., Knightstown, Ind.

Nearing, Mrs. J., Kenney.
Richards, Harriet, E , Evanston.
Robinson, Mrs. J. S., Chicago.
Rockwell, Mrs. L. E., Quincy.
Stagg, Mrs. P. D , Greensburg, Ind.
Tanner, Mrs. H. S., Paris.
Wills, Ella, Lebanon, Ind.

CLASS L.—EDUCATION AND SCIENCE.

Graded School Exhibit.

Austin School, Austin.
Braidwood School, Braidwood.
Cook County Normal, Normal Park.
Englewood School, Englewood.
Forestville School, Forestville.
Joliet School, Joliet
Oak Park School, Oak Park.
Ravenswood School, Ravenswood.
South Evanston School, S. Evanston.
Wilmington School, Wilmington.
Dist. 9, Hyde Park Tp., Cook County.
Dist. 10, Lake Tp., Cook County.
Dodge, B. L., Oak Park.
Elson, Wright, Oak Park.
White, Augusta, Chicago.
Williams, Lizzie A., Chicago.

Country School Exhibit.

Barrington Tp., Cook County.
Bowmanville Tp , Cook County.
DesPlaines Tp., Cook county.
Rogers Park Tp , Cook county.
Roseland Tp., Cook county.
Willmette Tp., Cook County.
Dist. 1, Tp. 35, Range 14, Cook county.
" 2, Tp. 40, Range 13, Cook county.
" 3, Tp. 37, Range 11, Cook county.
" 3, Tp. 43, Range 13, Cook county.
" 4, Tp. 38, Range 12, Cook county.
" 5, Tp. 38, Range 12, Cook county.
" 5, Tp. 40, Range 12, Cook county.
" 6, Tp. 41, Range 9, Cook county.
" 8, Tp. 38, Range 12, Cook county.
" 10, Tp. 37, Range 14, Cook county.
" 10, Tp. 39, Range 12, Cook county.
" 1, Tp. 39, Range 1, DuPage county.
" 1, Tp. 39, Range 11, DuPage county.
" 6, Tp. 40, Range 11, DuPage county.
" 7, Tp. 38, Range 11, DuPage county.
" 7, Tp. 40, Range 10, DuPage county.
" 1, Tp. 8, Range 24, Ford county.
" 3, Tp. 25, Range 7, Ford county.
" 3, Tp 35, Range 7, Ford county.
" 2, Tp. 13, Range 3, Johnson county.
" 6, Tp. 13, Range 3, Johnson county.
" 2, Tp. 34, Range 1, LaSalle county.
" 4, Tp. 33, Range 5, LaSalle county.
" 4, Tp. 35, Range 1, LaSalle county.
" 5, Tp. 31, Range 5, LaSalle county.
" 3, Tp. A, Range 1, McLean county.
" 4, Tp. 24, Range 1, McLean county.
" 5, Tp. A, Range 6, McLean county.
" 5, Tp 23, Range 5, McLean county.
" 5, Tp. 25, Range 2, McLean county.
" 5, Tp. 26, Range 3, McLean county.
" 5, Tp. 26, Range 5, McLean county.
" 7, Tp. 26, Range 4, McLean county.
" 8, Tp. 23, Range 1, McLean county.
" 9, Tp. 23, Range 1, McLean county.
Western Tp , McLean county.
Dist. 3, Medina Tp., Peoria county.
" 6, Limestone Tp., Peoria county.
" 4, Tp. 10, Range 7, Peoria county.
" 4, Tp. 11, Range 7, Peoria county.

Dist. 5, Tp. 8, Range 6, Peoria county.
" 5, Tp. 10, Range 7, Peoria county.
" 5, Tp. 10, Range 8, Peoria county.
" 5, Tp. 11, Range 6. Peoria county.
" 8, Tp. 8, Range 7, Peoria county.
" 9, Tp. 8, Range 7, Peoria county.
" 1, Tp. 13, Range 5, Sangamon county.
" 1, Tp. 14, Range 5, Sangamon county.
" 1, Tp. 16, Range 7, Sangamon county.
" 4, Tp. 16, Range 6, Sangamon county.
" 10, Tp. 17. Range 7. Sangamon county.
" 1, Tp. 21, Range 4, Whiteside county.
" 2, Tp. —, Range 4, Whiteside county.
" 2, Tp. 21, Range 6, Whiteside county.
" 3, Tp. 21, Range 6, Whiteside county.
" 5, Tp. 22, Range 7, Whiteside county.
" 6, Tp. 22, Range 7, Whiteside county.
" 7, Tp, J, Range 7, Whiteside county.
" 2, Tp. 34, Range 10, Will county.
" 2, Tp. 34, Range 14, Will county.
" 2, Tp. 36, Range 11, Will county.
" 3, Tp. 34, Range 10, Will county.
" 5, Tp. 35, Range 12, Will county.
" 7, Tp. 33, Range 14, Will county.
" 7, Tp. 35, Range 12, Will county.
" 10, Tp. 34, Range 10, Will county.
Lane, A. G., Chicago.

High School Exhibit.

Carrollton High School, Carrollton.
Chicago Manual Training School, Chicago.
Cook County Normal School, Normal Park.
Danville High School, Danville.
Englewood High School, Englewood.
Evanston High School, Evanston.
Joliet High School, Joliet.
Peoria High School, Peoria.

Commercial Penmanship.

Bryant's Business College, Chicago.
St. Patrick's Commercial Academy.

Taxidermy, Mineralogy and Conchology.

Braddock, Wm., Springfield.
Conner, Mrs. R. E., Hyde Park.
Head, J. M., Hyde Park.
Head, W. R., Hyde Park.
Hackman, H. S., Peru.
Heffron, Walter S., Washington Heights.
Shaw, Wm., Chicago.
Stensel, John, Farmer City.
Wiers, J. M., Chicago.

Entomology, Etc.

Braddock, Wm., Springfield.
Carter, Jas., Oak Park.
Hackman, H. S., Peru.
McDaniel, Frank M., Aurora.

Musical Instruments.

Rice, G. S., Music Co., Chicago

Printing, Engraving, Etc.

Hewitt, Mrs. L. J., Chicago.
McDonald, Mrs. Ella, Chicago.
Storey, Mrs. Jennie, Chicago.

CLASS M—AGRICULTURAL IMPLEMENTS.

Engines, Pumps, Etc.

Adams, W. J., Joliet.
Appleton Manufacturing Co., Chicago.
Aultman, C., & Co., Canton, O.
Aultman & Taylor, Mansfield, O.
Aulthouse, Wheeler & Co., Waupun, Wis.
Baker Manufacturing Co., Evansville, Wis.
Bristol, Geo., Normal Park.
Brown, John P., Rising Sun, Ind.
Case, J. I., Threshing Machine Co, Racine, Wis.
Case & Willard, Battle Creek, Mich.
Challenge Wind Mill Co., Batavia.
Clark & Co., Somonauk.
Clow, Adam S., East Wheatland.
Cox, W. H., Virden.
Cross, S. B., Wellington, Kas.
Davis, S S., Chicago.
Eagle Machine Co., Lancaster, O.
Eagle Machine Works Co., Indianapolis, Ind.
Felthouser, J. D., Chicago.
Gleason & Bailey Magufacturing Co., Chicago.
Hayes, E. K., Galva.
Lamb, Chas. W. & Co., Chicago.
Mast, Foos & Co., Springfield, O.
Minnesota Chief Threshing Machine Co., Still Water, Minn.
McMullen Woven Wire Fence Co., Chicago.
MeTaggart, J., Ft. Wayne, Ind.
Morton Manufacturing Co., Romeo, Mich
Northwestern Manufacturing Co., Still Water, Minn.
Ottawa Gate Manufacturing Co., Ottawa.
Pitts Agricultural Works, Buffalo, N. Y.
Pope Manufacturing Co., Chicago.
Richmond Check Rower Co., Richmond, Ind.
Rumely, M. & J., La Porte, Ind.
Rutz, Ed., Chicago.
Smalley Manufacturing Co., Manitowoc, Wis.
Staver, H. C., Implement Co., Chicago.
Taylor Horse Power Co., Chicago.
Temple Pump Co., Chicago.
Thomas Manufacturing Co., Chicago.
U. S. Wind Engine and Pump Co., Batavia.

Mills, Machines, Etc.

American Road Machine Co., Peoria.
American Road-Making Machine Co. Kennett Square, Pa.
Appleton Manufacturing Co. Chicago.
Aulthouse, Wheeler & Co., Waupun, Wis.
Baker Manufacturing Co , Evansville, Wis.
Boomer & Boschert Press Co., Chicago.
Bristol, E. S , & Gale, Chicago.
Challenge Wind Mill Co., Batavia.
Davis, J. R., & Son, Moreland.
Dennis, John, Chicago.
Duplex Manufacturing Co., Springfield, O.
Eclipse Wire Engine Co., Beloit, Wis.
Foos Manufacturing Co , Springfield, O.
Gates Iron Works, Chicago.
Keystone Manufacturing Co., Sterling.
Mast, P. P., & Co., Springfield, O.
Moore, Joshua, Marseilles.
New Era Manufacturing Co., Chicago,
Nichols. Murphy & Geister, Chicago.
Portable Fence Machine Co., Richmond, Ind.
Smalley, Mf'g Co., Manitowoc, Wis.
Staver, H. C. Implement Co , Chicago.
Superior Drill Co., Springfield, O.
Tiffin Agricultural Works, Tiffin, O.
U. S. Wind Engine and Pump Co., Batavia.
Victor Grinding Mill Co , Chicago.
Ward, Frank, Rockford.
Whitman Agricultural Works, St. Louis, Mo.

Vehicles.

Abbott Buggy Co., Chicago.
Bradley, David, Manf'g Co., Chicago.
Brown Manf'g Co., Zanesville, O.
Capital Wagon Co., Lansing, Mich.
Clark, W. A. & Co., Chicago.
Cortland Wagon Co , Chicago.
Curry & Hager, Chicago.
Deitz, Henry & Co., Racine, Wis.
Gay & Son, Ottawa.
Hayes, E. K., Galva.
King & Hamilton Co., Ottawa.
Makutchon Bros., Buda.
McCallum, J. Manf'g Co., Elgin.
Michigan Buggy Co , Kalamazoo, Mich.
Moline Wagon Co., Moline.
Oregon Manf'g Co., Oregon.
Percy, James, Chicago.
Racine Wagon & Carriage Co., Racine., Wis.
Rudolph, Frank, Beason.
Staver, H. C. Implement Co., Chicago.
Studebaker Bros. Manf'g Co., South Bend, Ind.
Wayne & Anderson, Decatur.
Weber Wagon Co., Chicago.

Grain Harvesters, etc.

Aultman, C. & Co., Canton, O.
Aultman, Taylor & Co., Mansfield, O.
Baird, G. E., Urbana.
Case, J. I., Threshing Machine Co., Racine, Wis.
Case & Willard, Threshing Co., Battle Creek, Mich.
Curtis, G. S. & H., Chicago
Deering, Wm. & Co., Chicago.
Dickey & Tease, Racine, Wis.
Eagle Machine Works Co., Indianapolis, Ind.
Ellis & Peterson, Bozeman, Mont.
Emerson, Talcott & Co., Rockford.
Esterly Harvesting Machine Co., Whitewater, Wis.
Hoosier Drill Co., Richmond, Ind.
Johnson & Field, Racine, Wis.
Johnston Harvester Co., Chicago.
Kane, M., Chicago.
Kaufman Bros., Bloomington.
Keenan & McMullen, Chicago.
Kingman & Co., Peoria
McCormick Harvesting Machine Co., Chicago.
McDonald Manf'g Co., Fond du Lac, Wis.
Milwaukee Manf'g Co., Champaign.
Minnesota Chief Threshing Machine Co., Stillwater, Minn.
Minnesota Harvester Works, Minneapolis, Minn.
Morgan, D. S. & Co., Chicago.
Northwestern Manf'g Co., Stillwater, Minn.
Osborne, D. M. & Co., Auburn, N. Y.
Pitts Agricu tural Works, Buffalo, N. Y.
Plano Manf'g Co., Plano.
Rumely, M. & J., La Porte, Ind.
Sandwich Manf'g Co., Sandwich.
Siberly, J. F. & Co., Akron, O.
Sohn Ridge Implement Co., Hamilton, O.
Superior Drill Co., Springfield, O.

Haying Machinery, etc.

Acme Hay Harvester Co , Peoria.
Albion Manf'g Co., Albion, Mich.
Appleton Manf'g Co., Chicago.
Aultman, C. & Co., Canton, O.
Bartle, R., Independence, Ia.
Belle City Manf'g Co., Racine, Wis.
Blair Manf'g Co., Springfield, Mass.
Boyd & Lindsay, Milwaukee, Wis.
Bradley, David, Manf'g Co., Chicago.
Crabtree, H. S., Anna.
Dederick, P. K. & Co., Albany, N. Y.
Deere & Mansur, Moline.
Deering, Wm. & Co., Chicago.
Dysart, J. W., Nachusa.
Emerson, Talcott & Co., Rockford.
Ertel, George & Co., Quincy.

Esterly Harvesting Machine Co., Whitewater, Wis.
Eureka Mower Co., Utica, N. Y.
Famous Manf'g Co., Quincy.
Freeman, S. & Sons, Manf'g Co., Racine, Wis.
Fuller & Johnson Manf'g Co., Madison, Wis.
Goulds & Austin, Chicago.
Hale, Jas. O., Chicago.
Hoosier Drill Co., Richmond, Ind.
Hunt, Helm & Ferris, Harvard.
Janesville Hay Tool Co., Janesville, Wis.
Janesville Machine Co., Janesville, Wis.
Johnston Harvester Co., Chicago.
Kane, M., Chicago.
Keystone Manf'g Co., Sterling.
King & Hamilton Co., Ottawa.
Kingman & Co., Peoria.
Knowlton Manf'g Co., Rockford.
Manny, J. P., Rockford.
Mast, Foos & Co., Springfield, O.
Mast, P. P. & Co., Springfield, O.
McCormick Harvester Machine Co., Chicago.
McLaughlin, Sheldon & Co., Owatonna, Minn.
Milwaukee Manf'g Co., Milwaukee, Wis.
Minnesota Harvester Works, Minneapolis, Minn.
Morton Manf'g Co., Romeo, Mich.
Morgan, D. S. & Co., Chicago.
Myers, F. E. & Bro., Ashland, O.
Nellis, A. J. & Co., Pittsburgh, Pa.
Osborn, D. M. & Co., Auburn, N. Y.
Osborn Bros., Marion, O.
Pierpont, C. & Co., New Haven, Conn.
Plano Manf'g Co., Plano.
Porter, I. E., Ottawa.
Reeves & Co., Columbus, Ind.
Sandwich Manf'g Co., Sandwich, Ind.
Selby, James & Co., Peoria
Siberly, J. F. & Co., Akron, O.
Silver & Deming Manf'g Co., Salem, O.
Smalley Manf'g Co., Manitowoc, Wis.
Sohn Ridge Implement Co., Hamilton, O.
Spencer, J. A., Dwight.
Staver, H. C., Implement Co., Chicago.
Sterling Manf'g Co., Sterling.
Superior Drill Co., Springfield, O.
Thomas Manf'g Co., Chicago.
Tiffin, Agricultural Co., Tiffin, O.
Trumbull, Reynolds & Allen, Kansas City, Mo.
Utter Manf'g Co., Rockford.
Warrior Mower Co., Little Falls, N. Y.
Whitman, Agricultural Works, St. Louis, Mo.

Planters, Plows, etc.

Albion Manf'g Co., Albion, Mich.
Appleton, Manf'g Co., Chicago.
Aulthouse, Wheeler & Co., Waupun, Wis.
Austin, John, Chicago.
Automatic Wheel Co., Wauseon, O.
Avery, Chas. E., Lafayette, Ind.
Avery Planter Co., Peoria.
Baker Manf'g Co., Evansville, Wis.
Bradley, David, Manf'g Co., Chicago.
Brown, Geo. M. & Co., Galesburg.
Brown Manf'g Co., Zanesville, O.
Case, J. I., Plow Works, Racine, Wis.
Challenge Corn Planter, Grand Haven, Mich.
Challenge Wind Mill Co., Batavia.
Clark & Co., Somonauk.
Conklin, Tait & Co., Decatur.
Dean & Bennett, La Moille.
Deere & Co., Moline.
Deere & Mansur, Moline.
Eagle Machine Co., Lancaster, O.
Emerson, Talcott & Co., Rockford.
Evans, A. C., Manf'g Co., Springfield, O.
Farmer's Friend Manf'g Co., Dayton, O.
Fuller & Johnson Manf'g Co., Madison, Wis.
Grand Detour Plow Co., Dixon.
Hayes, E. K., Galva.
Hayward & Sons, Decatur.
Hearns, Mat., Havelock.
Horrie, James, Morris.

Janesville Machine Co., Janesville, Wis.
Johnson & Field, Racine, Wis.
Ketchum, W. G., Chicago.
Keystone Manf'g Co., Sterling.
King & Hamilton Co., Ottawa.
Kingman & Co., Peoria.
Kleinfelter & Dillman, Joliet.
Knowlton Manf'g Co., Rockford.
Laning, Geo., LaSalle.
Leach, L., Joliet.
Leon, E. O., Mansfield, O.
Mann, C. B., Geneva.
Marseilles Manf'g Co., Marseilles.
Mast, Foos & Co., Springfield, O.
Mast, P. P. & Co., Springfield, O.
McCallum, J., Manf'g Co., Elgin.
Newbold, W. F., Cedar, Ia.
Nichols, Murphy & Geister, Elgin.
Norwegian Plow Co., Dubuque, Ia.
Oregon Manf'g Co., Oregon.
Pattee Plow Co., Monmouth.
Parlin & Orendorff Co., Canton.
Paradis, J. E., Momence.
Peru Plow & Wheel Co., Peru, Ind.
Procter, E. R., Washington C. H., O.
Richmond Check-Rower Co., Richmond, Ind.
Sandwich Manf'g Co., Sandwich.
Shelby, Jas. & Co., Peoria.
Staver, H. C., Implement Co., Chicago.
Sterling Manf'g Co., Sterling.
U. S. Wind Engine and Pump Co, Batavia.
Utter Manf'g Co., Rockford.
Volk, H. B., Quincy.
Warrior Mower Co., Little Falls, N. Y.
Wood, Valentine, Peru, Ind.

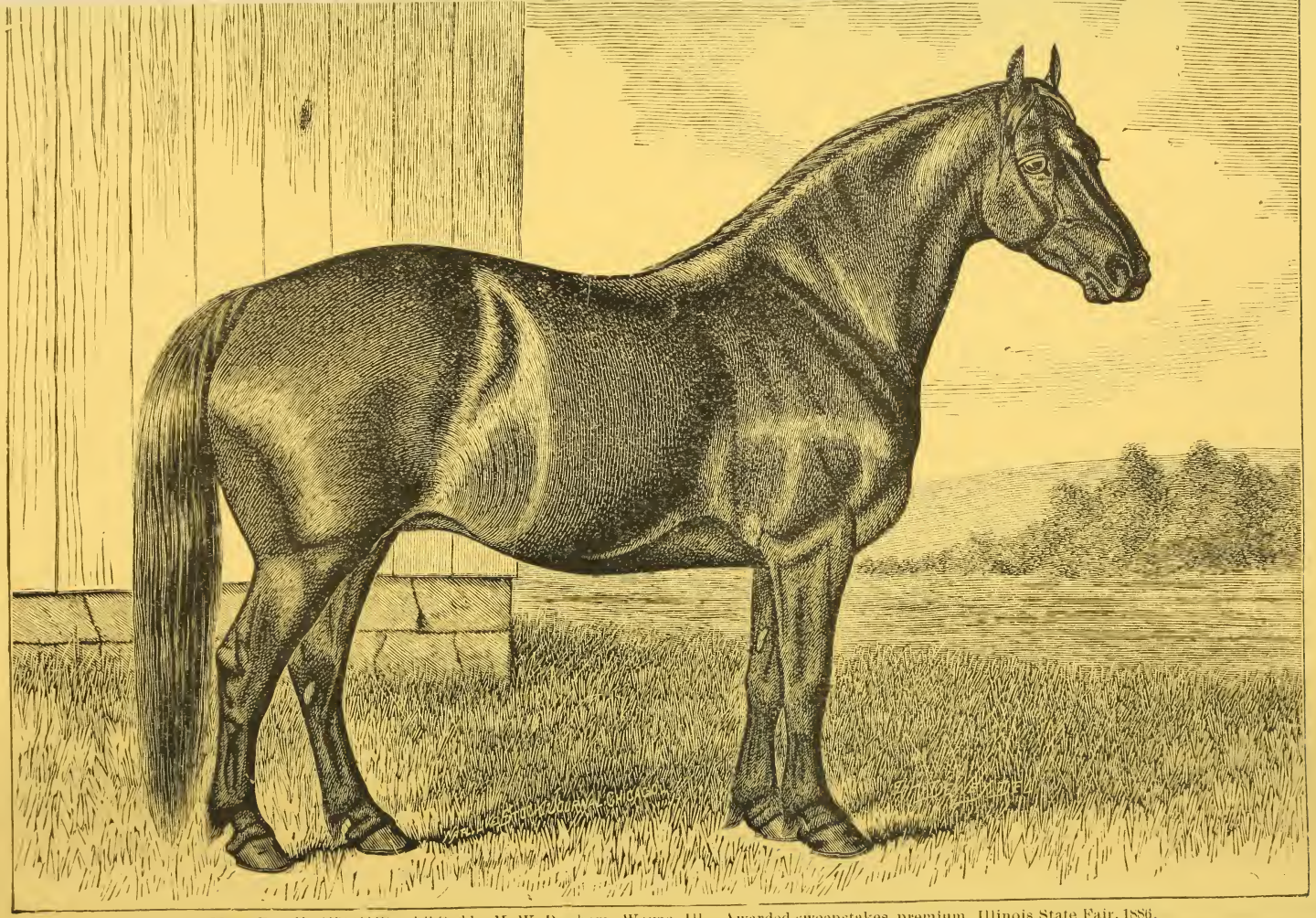
CLASS N—DAIRY.

Butter and Cheese.

Colvin, J., Kingston.
Cook, F. L. & Co., Chicago.
Davis, G. F. & Co., Dyer, Ind.
Wolverton, D. C., Belvidere.

Dairy Implements.

Burch, W. W., Chicago.
Cobb & Burnham, Chicago.
Davis Warehouse Supply Co., Chicago.
Genesee Salt Co., Piffard, N. Y.
Jackson Refrigerator Co., Chicago.
Kendall, H. L., Chicago.
Palmer, H. H. & Co., Rockford.
Roe, D. H. & Co., Chicago.
Strickler & Royston, Sterling.



Percheron Mare, Rosalia 4370 (4861) exhibited by M. W. Dunham, Wayne, Ill. Awarded sweepstakes premium, Illinois State Fair, 1886.

LIST OF AWARDS

OF THE

ILLINOIS STATE FAIR, 1886.

CHICAGO, SEPTEMBER 6–10, 1886.

CLASS A—CATTLE.

LAFAYETTE FUNK, *Superintendent of Beef Breeds.*
JOHN P. REYNOLDS, *Superintendent of Dairy Breeds.*

LOT 1—SHORT-HORNS.

BULLS.

Bull 3 years old or over—5 entries:
First premium, H. Sodowsky, Indianola..... $25
Prince Hopewell, 44646; calved November 20, 1881; bred by Harvey Sodowsky, Indianola; sire, Gen. Custer 4th, 38946; dam, Jessie Hopewell 2d.
Second premium, J. H. Potts & Son, Jacksonville..... 15 00
Proud Duke, 36660; calved November 9, 1879; bred by J. H. Potts & Son, Jacksonville; sire, Duke of Richmond. 21525; dam, Fannie Airdrie.

Bull 2 and under 3—1 entry:
First premium, C. C. Walker & Son, New Madison, O..... 25 00
Duke of Wellington.

Bull 1 and under 2—3 entries:
First premium, Strawn & Boyce, Orleans..... 20 00
Cleveland, 62015; calved September 11, 1884; bred by W. T. Boyce, Orleans; sire, Young Golden Crown, 54393; dam, Hebe 4th.
Second premium, Jas. G. Strawn, Jacksonville..... 10 00
Baron Judy, 68242; calved November 26, 1884; bred by S. W. Dunlap, Jacksonville; sire, Baron Sale, 49930; dam, Isabel Bates 3d.

Bull under 1—9 entries:
First premium, J. H. Potts & Son, Jacksonville..... 15 00
Red Baron; calved November 9, 1885; bred by J. H. Potts & Son, Jacksonville; sire, Von Tromp, 54160; dam, Lady Athelstan of Oakland.
Second premium, C. C. Walker & Son, New Madison, O..... 10 00

COWS.

Cow 4 years old or over—14 entries:
First premium, N. S. Olin & Son, Streetsboro, O..... 25 00
15th Western Lady; calved September 20, 1884; bred by J. N. Brown's Sons, Berlin; sire, Knightly Wiley, 26989; dam, 3d Western lady.
Second premium, H. Sodowsky, Indianola..... 15 00
Jessie Hopewell 6th; calved December 29, 1878; bred by Harvey Sodowsky, Indianola; sire, Baron Booth of Woodlawn, 25593. dam, Jessie Hopewell 2d.

Cow 3 and under 4—5 entries:
First premium, H. Sodowsky, Indianola $25 00
Louan 54th of Woodlawn; calved January 25, 1882; bred by H. Sodowsky, Indianola; sire, General Hopewell, 32576; dam, Louan 32d of Woodlawn.
Second premium, N. S. Olin & Son, Streetsboro, O 15 00
Fanny Gwynne; calved January 19, 1883; bred by Jas. L. Patterson, Broadwell, Ky.; sire, Prince of Rural Choice, 40434; dam, Nell Gwynne.

Cow 2 and under 3—8 entries:
First premium, H. Sodowsky, Indianola 25 00
Louan 57th of Woodlawn; calved April 7, 1884; bred by Harvey Sodowsky, Indianola; sire, Lewis Arundel, 46433; dam, 32d Louan of Woodlawn.
Second premium, J. H. Potts & Son, Jacksonville 15 00
Lavender of Oakland 2d; calved May 29, 1884; bred by J. H. Potts & Son, Jacksonville; sire, Proud Duke, 36660; dam, Lavender 31st.

Heifer 1 and under 2—6 entries:
First premium, C. C. Walker & Son, New Madison, O 20 00
Profitable 2d of New Madison; calved March 22, 1884; bred by C. C. Walker & Son, New Madison, O; sire, Aclam Sharon 3d, 54448; dam, Profitable 16th.
Second premium, J. H. Potts & Son, Jacksonville 10 00
Lady Athelstane of Oakland 2d; calved December 15, 1884; bred by J. H. Potts & Son, Jacksonville; sire, Van Tromp, 54160; dam, Lady Athelstane of Oakland.

Heifer under 1 year—8 entries:
First premium, C. C. Walker & Son, New Madison, O 15 00
Profitable 3d; calved November 20, 1885; bred by C. C. Walker & Son, New Madison, O.; sire, Aclam Sharon 3d, 54448; dam, Profitable 21st.
Second premium, N. S. Olin & Son, Streetsboro, O 10 00
Pansy Hathaway; calved October 4, 1885; bred by N. S. Olin & Son, Streetsboro, O.; sire, Matilda's Grand Duke, 63617; dam, Miss Hathaway.

Awarding Committee—J. G. Ryburn, Randolph; Robert Mitchell, Princton, Ind.; H. Benedict, Arlington.

Lot 2—Short-Horn Herd.

Herd—Bull 2 or over; cow 3 or over; cow 2 and under 3; heifer 1 and under 2; heifer under 1—4 entries:
Premium, H. Sodowsky, Indianola $50 00
Prince Hopewell, 44646.

Awarding Committee—J. R. Heath, Annawan; Ed. Thompson, Sugar Grove; D. R. Harri son Herrin's Prairie.

Lot 3—Short-Horn Sweepstakes.

Bull any age—9 entries:
Premium, J. H. Potts & Son, Jacksonville $50 00
Proud Duke, 36660.

Cow or heifer any age—19 entries:
Premium, H. Sodowsky, Indianola 50 00
Louan, 54th, of Woodlawn.

Awarding Committee—F. S. Moberly, Richmond, Ky.; J. O. Curry, Aurora; Ira McCord Orion.

Lot 4—Hereford.

BULLS.

Bull 3 or over—5 entries:
First premium, Fowler & VanNatta, Fowler, Ind $25 00
Fowler, 12899; calved June 3, 1883; bred by Fowler & VanNatta, Fowler, Ind.; sire, Tregrehan, 6203; dam, Princess, 1990.
Second premium, Adams Earl, Lafayette, Ind 15 00
Sir Bartle Frere, 6419; calved July 4, 1880; bred by T. J. Carwardine, England; sire, Lord Wilton, 4057; dam, Tiny, 4467.

Bull 2 and under 3—4 entries:
First premium, J. O. Curry, Aurora 25 00
Royal Grove, 21500 (9157); calved September 30, 1883; bred by J. Rankin, Bryngmore, England; sire, The Grove 3d, 2490 (5051); dam, Duchess 2d, 11354.
Second premium, J. C. Bertram, Bristol 15 00
Sir Wilfrid, 14235; calved April 17, 1884; bred by T. J. Carwardine, Stocktonbury, Eng.; sire, Lord Wilton, 4057 (4740); dam, Jessie, 6997.

Bull 1 and under 2—6 entries:
First premium, J. O. Curry, Aurora $20 00
Harold, 21141; calved January 29, 1885; bred by S. Robinson, Lynhales, England; sire, Highland Laird, 9440 (7015); dam, Maple, 9585.
Second premium, Fowler & Van Natta, Fowler, Ind 10 00
Randolph, 16608; calved October 13, 1884; bred by Fowler & Van Natta, Fowler, Ind.; sire, Tregrehan, 6203; dam, Random 2d, 8354.

Bull under 1 year—9 entries:
First premium, J. O. Curry, Aurora 15 00
Archibald A, 23109; calved November 23, 1885; bred by J. O. Curry, Aurora; sire, Archibald, 11129 (6290); dam, Coral, 13526.
Second premium, Adams Earl, Lafayette, Ind 10 00
Earl Wilton 15th, 21413; calved October 13, 1885; bred by Adams Earl, Lafayette, Ind.; sire, Sir Bartle Frere, 6419; dam, Beauty, 7035.

COWS.

Cow 4 or over—8 entries:
First premium, Thos. Clark, Beecher 25 00
Peerless, 10902; calved May 24, 1880; bred by T. J. Carwardine, England; sire, Lord Wilton, 4057 (4740); dam, Delight, 6959.
Second premium, Adams Earl, Lafayette, Ind 15 00
Duchess 21st, 7551; calved March 8, 1881; bred by J. B. & T. H. Freen, England; sire, Comrade, 4572; dam, Duchess 10th, 3370.

Cow 3 and under 4—3 entries:
First premium, Thos. Clark, Beecher 25 00
Flossie, 10915; calved November 20, 1882; bred by Thos. Clark, Beecher; sire, Anxiety 3d, 4466 (6181); dam, Fancy, 1973.
Second premium, Fowler & Van Natta, Fowler, Ind 15 00
Fawley 6th, 8109; calved November 16, 1882; bred by Fowler & Van Natta, Fowler, Ind.; sire, Tredegar, 3386; dam, Fawley 4th, 5661.

Heifer, 2 and under 3—8 entries:
First premium, Thos. Clark, Beecher 25 00
Felicia, 10799; calved October 9, 1883; bred by Thos. Clark, Beecher; sire, Anxiety 3d, 4466 (6181); dam, Fancy, 1973.
Second premium, Adams Earl, Lafayette, Ind 15 00
Sparkle, 10659; calved December 19, 1883; bred by G. F. Baker, Goodenow; sire, Anxiety 3d, 4466 (6181); dam, Sunflower, 1325.

Heifer, 1 and under 2—12 entries:
First premium, Thos. Clark, Beecher 20 00
Peerless 2d, 16240; calved February 9, 1885; bred by Thos. Clark, Beecher; sire, Anxiety 3d, 4466 (6181); dam, Peerless, 10902.
Second premium, Fowler & Van Natta, Fowler, Ind 10 00
Violet, 19441; calved October 16, 1884; bred by Fowler & Van Natta, Fowler, Ind.; sire, Tregrehan, 6203; dam, Prettymaid 4th, 18046.

Heifer, under 1—5 entries:
First premium, Adams Earl, Lafayette, Ind 15 00
Lady Wilton 16th, 21412; calved October 16, 1885; bred by Adams Earl, Lafayette, Ind.; sire, Sir Bartle Frere, 6419; dam, Cherry 2d, 8486.
Second premium, Thos. Clark, Beecher 10 00
Peerless 3d 26664; calved January 7, 1886; bred by Thos. Clark, Beecher; sire, Anxiety 3d, 4466 (6181); Peerless, 10902.

Awarding Committee—James Thompson, Chicago; Wm. Brown, Berlin; H. Benedict, Arlington.

Lot 5—Hereford Herd.

Herd—Bull 2 or over; cow 3 or over; heifer 2 and under 3; heifer 1 and under 2; heifer under 1—3 entries:
Premium, Fowler & Van Natta, Fowler, Ind $50 00
Fowler 12899.

Awarding Committee—Wm. St. Clair, Ashland; J. W. Hunter, Owaneco; J. O. Curry, Aurora.

Lot 6—Hereford—Sweepstakes.

Bull any age—12 entries:
Premium, Fowler & Van Natta, Fowler, Ind $50 00
Fowler 12899.

Cow or heifer any age—21 entries:
Premium, Thos. Clark, Beecher 50 00
Flossie 10915.

Awarding Committee—Ed Morse, Chicago; H. Hinds, Staunton, Mich.; umpire, J. P. B. Jones, Cherry Valley.

Lot 7—Devons.

BULLS.

Bull 3 or over—6 entries:
First premium, Younger & Whitmore, Fairbury $25 00
Remus, 2118; calved February 15, 1880; bred by L. F. Ross, Avon; sire, Shelto 2d, 1114; dam, Orphan Girl, 2194.
Second premium, R. K. Payne, Parkman, O 15 00
King William 2d, 2170; calved January 2, 1882; bred by Powell Pros., Springboro, Pa.; sire, King William, 769; dam, Empress 2d, 4239.

Bull 2 and under 3—2 entries:
First premium, Irvin York, Brock, O 25 00

Bull 1 and under 2—3 entries: No award.

Bull under 1—6 entries:
First premium, Younger and Whitmore, Fairbury 15 00
Sherman, 3818; calved December 6, 1885; bred by Wm. Younger, Fairbury; sire, Brutus 2089; dam, Chloe Pearl, 4910.
Second premium, Irvin York, Brock, O 10 00

COWS.

Cow 4 or over—9 entries:
First premium, Younger & Whitmore, Fairbury 25 00
Roxy, 3840, calved May 25, 1885; bred by Wm. Younger, Fairbury; sire, Colonel Ryan, 410; dam; Lady May, 1759.
Second premium, R. K. Payne, Parkman, O 15 00
Miss Juno, 4485; calved March 30, 1882; bred by R. K. Payne, Parkman, O., sire, Cyrus, 1860; dam, Frances, 3732.

Cow 3 and under 4—6 entries:
First premium, Younger and Whitmore, Fairbury 25 00
Kerenhappuch, 4683; calved January 16, 1883; bred by D. J. Whitmore, Casstown, O.; sire, Barefoot, 278; dam, Winnie, 2700.
Second premium, Younger and Whitmore, Fairbury 15 00
Lady Mc, 4911; calved December 15, 1883; bred by Wm. Younger, Fairbury; sire, Remus, 2118; dam, Roxy, 3840.

Heifer 2 and under 3—4 entries:
First premium, R. K. Payne, Parkman, O 25 00
Sitter, 5721; calved March 24, 1884; bred by R. K. Payne, Parkman, O.; sire, King William 2d, 2170; dam, May Queen, 3600.
Second premium, Younger & Whitmore, Fairbury $15 00
Camroy, 6950; calved February 15, 1884; bred by Wm. Younger, Fairbury; sire, Remus; 2118; dam, Roxy, 3840.

Heifer 1 and under 2—5 entries:
First premium, Irvin York, Brock, O $20 00
Second premium, Younger & Whitmore, Fairbury 10 00
Louan, 6954; calved August 24, 1885; bred by Wm. Younger, Fairbury; sire, Remus 2118; dam, Miss Luckey, 2072.

Heifer, under 1—7 entries:
First premium, Irvin York, Brock, O $15 00
Second premium, Younger & Whitmore, Fairbury 10 00
Lady Happuch, 6955; calved October 22, 1885; bred by Wm. Younger, Fairbury; sire, Remus 2118; dam, Kerenhappuch, 4683.

Awarding Committee—Robert Mitchell, Princeton, Ind.: John Stewart, Elberon; James Lyall, Verona, Wis.

Lot 8—Devon Herd.

Herd—Bull, 2 or over; cow, 3 or over; heifer, 2 and under 3; heifer, 1 and under 2; heifer, under 1—4 entries.
Premium, R. K. Payne, Parkman, O $50 00
King William 2d, 2170.

Awarding Committee—D. C. May, Rochelle; A. F. Brown Stillman Valley; L. H. Thomas, Virden.

Lot 9—Devon—Sweepstakes.

Bull any age- 7 entries:
Premium, R. K. Payne, Parkman, O $50 00
King William 2d, 2170.

Cow or heifer any age—10 entries:
Premium, Younger & Whitmore, Fairbury 50 00
Roxey, 3840.

Awarding Committee—Wm. Harpole, Chicago; N. Bush, Sheldon; Geo. Leigh, Aurora.

Lot 10—Polled Angus or Galloway.

BULLS.

Bull 3 or over—5 entries:
First premium, Wm. Roxburgh, Cedar Rapids, Ia $25 00
Competition, 2031; calved January 17, 1882; bred by the Earl of Airlie, Airlie Castle, Forfarshire, N. B.: sire, Ericson (1624); dam, Constance (4096).
Second premium, Anderson & Findlay, Lake Forest 15 00
Basuto, 1101 (1820); calved February 16, 1880; bred by Sir G. W. Grant, Bart., Ballindalloch, Scotland; sire, Editor, 542 (1460); dam, Blackbird of Corskie 3d, 733 (3766.)

Bull 2 and under 3—No entry:

Bull 1 and under 2—6 entries:
First premium, Anderson & Findlay, Lake Forest 20 00
Bumshaugie, 5659; calved December 6, 1884; bred by James Smith, Aberdeenshire, Scotland; sire, Etonian, 524 (1658); dam, Nipplepins, 5660 (7720.)
Second premium, Anderson & Findlay, Lake Forest 10 00
Black Thorn, 5236; calved December 13, 1884; bred by Hiram Walker & Sons, Walkerville, Can.; sire, Game Law, 4537 (2775); dam, Waterside Hathorn, 5237 (7986.)

Bull under 1—4 entries:
First premium, Brookside Farm Co., Ft. Wayne, Ind 15 00
Black Hawk 2d; calved January 12, 1886; bred by J. H. Bass. Ft. Wayne, Ind.; sire, Beaconsfield 3d of Drumlanig (1678); dam, Madge (4107.)
Second premium, Goodwin Park Stock Farm, Beloit, Kas 10 00
Jerry of Goodwin Park; calved November 25, 1885; bred by R. C. Auld, Dexter, Mich.; sire, Heir of the Shire, 4458; dam, Jennie of Lochiel (6990.)

COWS.

Cows 4 or over—6 entries:
First premium, Goodwin Park Stock Farm, Beloit, Kas 25 00
Beauty of Candyglearach (8398); calved April 8, 1881; bred by James Cooper, Candyglearach, Scotland; sire, Paris (1473); dam, Susy 2d of Crathes (2168.)
Second premium, Anderson & Findlay, Lake Forest 15 00
Lady Wilfrid, 3276 (3818); calved January 22, 1878; bred by Anderson & Findlay, Lake Forest; sire, Sir Wilfrid 262; dam, Jane of Croskie, 3070 (3011.)

Cow 3 and under 4—2 entries:
First premium, Brookside Farm Co , Ft. Wayne, Ind 25 00
Balig Lucy 10th (9505); calved January 29, 1883; bred by R. & J. Sherman, Balig, Scotland; sire, Chelmsford (1568); dam Lucy Balig 9th (9504.)
Second premium, Brookside Farm Co., Ft. Wayne, Ind 15 90
Lady Sanders (7520); calved May, 1883; bred by James Johnson, Longtown, Eng.; sire, Bob 2d of the Green (2609); dam, Sanders 3d of the Green (6957,)

Cow 2 and under 3—5 entries:
First premium, Anderson & Findlay, Lake Forest 25 00
Cyclone, 3370 (8077); calved February 17, 1884; bred by John Strachan, Montcoffer, Scotland; Lord Iden, 1919 (2956); dam. Coquette 4th (3497.)
Second premium, Brookside Farm Co., Ft. Wayne, Ind 15 09
Balig Blackie 13th (9506); calved January 18, 1884; bred by J. H. Bass, Ft. Wayne, Ind.; sire, Beaconsfield 3d of Drumlarig (1678); dam, Blackie, 12 (9503.)

Heifer 1 and under 2—7 entries:
First premium, Goodwin Park Stock Farm, Beloit, Kas 20 00
Queen of the Rosebuds; calved January 3, 1885; bred by J. S. & W. R. Goodwin, Beloit, Kas.; sire, Judge 1150; dam, Rosebud of Daugh 2d, 4246 (7360).
Second premium, Anderson & Findlay, Lake Forest 10 00
Verbena 2d, 4430; calved March 9, 1885; bred by Anderson & Findlay, Lake Forest; sire, Viscount Maurice, 2939 (3343); dam, Verbena of Montcoffer; 3421 (6173).

Heifer under 1 year—6 entries.
First premium, Anderson & Findlay, Lake Forest 15 00
Rosa 2d 5259; calved September 29, 1885; bred by Anderson & Findlay, Lake Forest; sire, Chancellor 3253; dam, Rosaline of Lake Forest 2979.
Second premium, Anderson & Findlay, Lake Forest 10 00
Finery 2d 5258; calved September 19, 1885; bred by Anderson & Findlay, Lake Forest; sire, Rioter 5257; dam, Finery 3270 (4835).

Awarding Committee—Robert Mitchell, Princeton, Ind.; John Stewart, Elburn; James Lyall, Verona, Wis,

Lot 11—Polled Angus or Galloway—Herd.

Herd—Bull 2 or over; cow 3 or over; heifer 2 and under 3; heifer 1 and under 2; heifer under 1—3 entries:
Premium, Goodwin Park Stock Farm, Beloit; Kas..... $50 00
Waterside Valiant (3337); calved January 14, 1882; bred by George Wilkins, Olford, Scotland; sire, Knight of St Patrick (2194); dam, Waterside Vine (1328).

Awarding Committee—A. F. Brown, Stillman Valley; D. C. May, Rochelle; L. H. Thomas, Virden.

Lot 12—Polled Angus or Galloway—Sweepstakes.

Bull any age—9 entries:
Premium, Wm. Roxburgh, Cedar Rapids, Ia..... $50 00
Competition 2031.

Cow or heifer any age—11 entries:
Premium, Goodwin Park Stock Farm, Beloit, Kas..... 50 00
Beauty of Candyglearach (8398).

Awarding Committee—Geo. Abbott, Woodstock; Ashley Knapp, Rockford; R. R. Marquart, Atlanta; John Mason, Newton; M. T. Stookey, Belleville

Lot 13—Holstien-Friesian.

BULLS.

Bull 3 or over—2 entries:
First premium, Unadilla Valley Stock Association, West Edmeston, N. Y $25 00
Mooie Hartog (55); calved March 10, 1882; bred by Unadilla Valley Stock Farm Association, West Edmeston, N Y.; sire, Mooie (26); dam, Jacoba Hartog 2d.
Second premium, A. Oltmans, Danforth 15 00
Schurz 4108; calved May 19, 1883; bred by A Oltmans, Danforth.

Bull 2 and under 3—3 entries;
First premium, Reid & Co., Jacksonville 25 00
Zachrist 3935; calved February 25, 1884; bred by Reid & Capps, Jacksonville; sire, Zollikoffer, 659; dam, Loretta, 580.
Second premium, Robert Vial, Western Springs..... 15 00
Major Hilt 3076; calved April 27, 1884; bred by S. S. Mann, Elgin; sire, Hilt, 869; dam, Lady Elgin 2183.

Bull 1 and under 2—2 entries:
First premium, Unadilla Valley Stock Association, West Edmeston, N. Y..... 20 00
Hartog Sjored 1409; calved July 9, 18 5; bred by Unadilla Valley Stock Associetion, West Edmeston, N. Y.; sire, Mooie Hartog (55); dam, Sjored 6th 700
Second premium, J. O. Beal, Rollin, Mich..... 10 00
Beebo 969; calved April 21, 1881; bred by J. O. Beal, Rollin, Mich.; sire, Onderdonck 1368; dam, Beebe 2475.

Bull under 1—7 entries:
First premium, Robert Vial, Western Springs..... 15 00
Gen. Sherman, 1855; calved February 4, 1886; bred by Buchanan Bros., Chicago; sire, Cuba 3418; dam, Nelly 5740
Second premium, Unadilla Valley Stock Association, West Edmeston, N. Y..... 10 00
Jay Hartog 2153; calved December 29, 1885; bred by Unadilla Valley Stock Association, West Edmeston, N. Y.; sire, Mooie Twisk (251); dam, Jacoba Hartog 7th (309).

COWS.

Cow 4 or over—4 entries:
First premium, Unadilla Valley Stock Association, West Edmeston, N. Y..... 25 00
Jacoba Hartog 3d (166); calved May 4, 1879; bred by Unadilla Valley Stock Association, West Edmeston, N. Y.; sire, Burgomaster of Bannister; dam, Jacoba Hartog 2d.
Second premium, Unadilla Valley Stock Association, West Edmeston, N Y..... 15 00
4th Unadi la Twisk 573; calved August 14, 1882; bred by Unadilla Valley Stock Association, West Edmeston, N. Y.; sire, Mooie (26); dam, Maid of Twisk (1).

Cow 3 and under 4—4 entries:
First premium, Unadilla Valley Stock Association, West Edmeston, N. Y..... 25 00
Jacoba Hartog 9th 583; calved August 19, 1883; bred by Unadilla Valley Stock Association, West Edmeston, N. Y.; sire, Mooie (26); dam, Jacoba Hartog 3d (16).
Second premium, Unadilla Valley Stock Association, West Edmeston, N. Y..... 15 00
3d Unadilla Twisk 266; calved July 6, 1881; bred by Unadilla Valley Stock Association, West Edmeston, N. Y.; sire, Hendrix (28); dam, 2d Unadilla Twisk (32).

Heifer 2 and under 3—3 entries;
First premium, Unadilla Valley Stock Association, West Edmeston, N. Y..... $20 00
Duanna 1780; calved February 28, 1884; bred by Unadilla Valley Stock Association, West Edmeston, N. Y.; sire, Prius (153); dam, DeBakk (944).
Second premium, Unadilla Valley Stock Association, West Edmeston, N. Y..... 15 00
Leda 1677; calved April 2, 1884; bred by Unadilla Valley Stock Association, West Edmeston, N. Y.; sire, DeLette; dam, Picter (1006).

Heifer 1 and under 2—4 entries:
First premium, Unadilla Valley Stock Association, West Edmenston, N. Y..... ..... 20 00
Edmy 2d 1857; calved April 3. 1885; bred by Unadilla Valley Stock Association, West Edmeston, N Y; sire, Mooie (26); dam, Edmie (1391).
Second premium, Unadilla Valley Stock Association, West Edmeston, N. Y..... 10 00
Agnone 2d 1860; calved April 3, 1885; bred by Unadilla Valley Stock Association, West Edmeston, N. Y.; sire, Mooie (26); dam, Agnone (1272).

Heifer under 1—5 entries:
First premium, Unadilla Valley Stock Association, West Edmeston, N. Y..... 15 00
Avery Jacoba Hartog 2800; calved January 6, 1886; bred by Unadilla Valley Stock Association, West Edmeston, N. Y., sire, Mooie Twisk (251); dam, Jacoba Hartog 5th (219).
Second premium, Unadilla Valley Stock Association, West Edmeston, N. Y..... 10 00
Karrie 2802; calved February 13, 1886; bred by Unadilla Valley Stock Association, West Edmeston, N. Y.; sire, Mooie (26); dam, Hastelinge 2d (1483).

Awarding Committee—H. H. Haaf, Atkinson; R. W. Hager, Algonquin; Romanzo Lyman, Lemont; Geo. W. McGee, Chicago; W. Kratzinger, Anna; I. C. Steen, Piper City.

Lot 14—Holstein-Friesian—Herd.

Herd—Bull 2 or over; cow 3 or over; heifer 2 and under 3; heifer 1 and under 2; heifer under 1—2 entries:
Premium, Unadilla Valley Stock Association, West Edmeston, N. Y $50 00
Mooie Hartog (55).

Awarding Committee—Wm. Kratzinger, Anna; R. Lyman, Lemont; Geo. M. McGee, Chicago.

Lot 15—Holsteins-Friesian—Sweepstakes.

Bull any age—3 entries:
Premium, Reid & Co., Jacksonville.. .. .. $50 00
Zachrist 3935.

Cow or heifer any age—1 entry:
Premium, Unadilla Valley Stock Association, West Edmeston, N. Y $50 00

Awarding Committee—M. A. Devine, Chicago; James Herrington, Geneva.

Lot 16—Jersey.

BULLS.

Bull 3 or over—5 entries:
First premium, Mrs. N. N. Jones & Sons, Normal..... ..... $25 00
Catona Coomassie 5855; calved March 14, 1881; bred by F. W. Mix, Terryville, Conn.; sire, Catona 3761; dam, Bell Peel 5th 9732.
Second premium, Seth Wadhams, Elmhurst..... 15 00
Sir Hugo of St. Lambert 13726; calved January 12, 1881; bred by R. H. Stevens, St. Lambert, Que.; sire, Orloff (3143); dam, Lucy of St. Lambert (5116).

Bull 2 and under 3—1 entry.
Second premium, W. Cone, Thornton..... 15 00
Architrave 14656; calved May 3, 1884; bred by F. Holbrook, Glenwood; sire, Architect (6339); dam, Dairo (13754).

Bull 1 and under 2—2 entries.
Second premium, Mrs. N. N. Jones & Son, Normal..... 10 00
Belle's Nero; calved January 15, 1885; bred by H. C. Jones, Normal; sire, Catona Coomassie 5855; dam, Belle Baron 25908.

Bull under 1—3 entries:
First premium, Seth Wadhams, Elmburst..... ..... 15 00
Trinkets Hugo Pogis 16644, calved April 22, 1886; bred by Seth Wadhams, Elmhurst; sire, Baron's Hugo Pogis (14008); dam, Gold Trinket (9518).
Second premium, James Hawhe, Chicago..... ..... 10 00
Duke of Quincy; calved May 25, 1886; bred by J V. Farwell, Chicago; sire, Buffalo Bill; dam, Daisy Dale.

COWS.

Cow 4 or over—5 entries:
First premium, Seth Wadhams, Elmhurst..... $25 00
Regina Rose 13739; calved September 10, 1881; bred by F. LeCerf, St. Owens, Isle of Jersey; sire, Boby; dam, Lady Regina (13218).
Second premium, Mrs. N. N. Jones & Son, Normal..... 15 00
Honeysuckle Blossom 12552; calved April 18, 1880; bred by J. H. Potter, Thomaston, Conn.; sire, Violet's Barrington Boy; dam, Honeysuckle (1313).

Cow 3 and under 4—2 entries:
First premium, Mrs. N. N. Jones & Son, Normal..... 25 00
Belle Baron 25908; calved January 27, 1882; bred by J. A. Vandin, St. John's, Isle of Jersey; sire, Baron 2d.
Second premium, Seth Wadhams, Elmhurst..... 15 00
Silver Hill 20905; calved December 28, 1882; bred by L. M. Fair, Wallingford, Conn.; sire, Champion of Hill Top (1839); dam, Silveretta (6852).

Cow 2 and under 3—5 entries:
First premium, Seth Wadhams, Elmhurst..... 25 00
Riotera 27421; calved March 1, 1884; bred by Wm. Simpson, New York, N. Y.; sire, Barry's Eddington (2250); dam, Malope 2d (11923).
Second premium, Seth Wadhams, Elmhurst..... 15 00
Ma Belle of Elmhurst 29833; calved May 8, 1884; bred by Seth Wadhams, Elmhurst; sire, Champion Maquet (6480); dam, Ma Belle of Eastwood (10358).

Heifer 1 and under 2—4 entries:
First premium, Seth Wadhams, Elmhurst..... 20 00
Mabel Rose 33905; calved September 27, 1884; bred by T. A. Havemeyer, Mahnah, N. J.; sire, Baron of St. Lambert (5286); dam, Mahnah Rose (21720).
Second premium, Mrs. N. N. Jones & Son, Normal..... 10 00
Honeysuckle's Choice; calved August 20, 1885; bred by Mrs. N. N. Jones & Son, Normal; sire, Catona Coomassie 5855, dam, Honeysuckle Blossom 12908.

Heifer under 1 year—4 entries:
First premium, Mrs. N. N. Jones & Son, Normal..... 15 00
Nero's Coomassie; calved April 5 1886; bred by H. C. Jones, Normal; sire, Catona Coomassie 5855; dam, Nero's Sorrell 25914.
Second premium, Seth Wadhams, Elmhurst..... 10 00
Neora Hugo Pogis 39575; calved March 5; 1886; bred by Seth Wadhams, Elmhurst; sire, Baron's Hugo Pogis (14008); dam, Neora (28431).

Awarding Committee—I. C. Steen, Piper City; George W. McGee, Chicago; W. Kratzinger, Anna; James Bayne, Warren.

Lot 17—Jersey—Herd.

Herd—Bull 2 or over; cow 3 or over; cow 2 and under 3; heifer 1 and under 2; heifer under 1—3 entries.
Premium, Seth Wadhams, Elmhurst..... 50 00
Sire, Hugo of St. Lambert 13726.

Awarding Committee—George M. McGee, Chicago; W. Kratzinger, Anna; Edwin Waite, Sycamore.

Lot 18—Jersey—Sweepstakes.

Bull any age—6 entries:
Premium, Seth Wadhams, Elmhurst..... 50 00
Sir Hugo of St. Lambert 13726.

Cow or heifer any age—11 entries:
Premium, Seth Wadhams, Elmhurst..... 50 00
Riotera 27421.

Awarding Committee—M. A. Devine, Chicago; Fenno Gansel, Hyde Park; James Herrington, Geneva.

Lot 19—Ayrshire.

BULLS

Bull 3 or over—2 entries:
First premium, Coldren & Lee, Iowa City, Ia..... 25 00
Satellite (1443); calved April 10, 1882; bred by Thomas Guy, Oshawa, Ont.; sire, William Wallace (1247); dam, Snowflake (1372).
Second premium, John Stewart & Son, Elburn..... 15 00
Duke of Illinois 2959; calved December 13, 1880; bred by John Stewart, Elburn; sire, Grant 2284; dam, Lady Jane 2666.

Bull 2 and under 3—1 entry:
First premium, Coldren & Lee, Iowa City, Ia..... 25 00
Champion of Iowa; calved August 14, 1884; bred by Coldren & Lee, Iowa City, Ia.; sire, Satellite (1443); dam, Gurta 4th (1181).

Bull 1 and under 2—1 entry:
First premium, Coldren & Lee, Iowa City, Ia..... $20 00
Dandy Lee; calved May 7, 1885; bred by Coldren & Lee, Iowa City, Ia.; sire, Cherry Chief 3571; dam, Blossom of Iowa 7796.

Bull under 1 year—2 entries:
First premium, John Stewart & Son, Elburn..... 15 00
Crummy Boy; calved September 24, 1885; bred by John Stewart, Elburn; sire, Ayrshire Lad 3616; dam, Crummy.
Second premium, Coldren & Lee, Iowa City, Ia..... 10 00
Pluto; calved November 13, 1885; bred by Coldren & Lee, Iowa City, Ia.; sire, Excelsior 3815; dam, Blueberry 7800.

COWS.

Cow 4 or over—5 entries:
First premium, John Stewart & Son, Elburn..... 25 00
Spotty G. 4900; calved May 30, 1878; bred by John Stewart, Elburn; sire, Grant 2284; dam, Ayrshire Ellen 4893.
Second premium, John Stewart & Son, Elburn..... 15 00
Queen Alice 7753; calved July 3, 1881; bred by D. Smith, Ayrshire, Scotland; sire, Auchendenan.

Cow 3 and under 4—3 entries:
First premium, John Stewart & Son, Elburn..... 25 00
Roxanna; calved May, 1883; bred by John Stewart, Elburn; sire, Lincoln 2285; dam, Mabel 4th 4896.
Second premium, Coldren & Lee, Iowa City, Ia..... 15 00
Gympie 7801; calved January 23, 1883; bred by George Tabor, East Aurora, N. Y.; sire Premier 2321; dam, Maid of Aberdeen 2d 4629.

Heifer 2 and under 3—3 entries:
First premium, Coldren & Lee, Iowa City, Ia..... 25 00
April Flower (1722); calved April 2, 1884; bred by Thomas Guy & Son, Oshawa, Ont.; sire, Sir Garnet (1408); dam, Roseate (770).
Second premium, John Stewart & Son, Elburn..... 15 00
Eliza Campton 8305; calved May 6, 1884; bred by John Stewart, Elburn; sire, Duke of Illinois 2959; dam, Ayrshire Ellen 4890.

Heifer 1 and under 2—4 entries:
First premium, Coldren & Lee, Iowa City, Ia..... 20 00
Gurta 10th; calved October 26, 1884; bred by Thomas Guy, Oshawa, Ont.; sire, Stonealsay 4th (1456); dam, Gurta 7th (1726).
Second premium, John Stewart & Son, Elburn..... 10 00
Blackberry Maid No. 6; calved May 25, 1885; bred by John Stewart, Elburn. sire, Ayrshire Lad 3616; dam, Blackberry Maid 4891.

Heifer under 1—3 entries:
First premium, Coldren & Lee, Iowa City, Ia..... 15 00
Gurta B.; calved November 9, 1885; bred by Coldren & Lee, Iowa City, Ia.; sire, Cherry Chief 3571; dam, Gurta 4th 1181.
Second premium, John Stewart & Son, Elburn..... 10 00
Nelly G. No. 3; calved March 3, 1886; bred by John Stewart, Elburn; sire, Ayrshire Lad 3616; dam, Nelly G 4898.

Awarding Committee—H. H. Haaff, Atkinson; R. W. Hanger, Algonquin; I. C. Steen, Piper City.

Lot 20—Ayrshire—Herd.

Herd—Bull 2 or over; cow 3 or over; heifer 2 and under 3; heifer 1 and under 2; heifer under 1—2 entries.
Premium, Coldren & Lee, Iowa City, Ia..... 50 00
Satellite (1443).

Awarding Committee—George W. McGee, Chicago; E. B. Wise, Greenville; I. C. Steen, Piper City.

Lot 21—Ayrshire—Sweepstakes.

Bull any age—4 entries:
Premium, Coldren & Lee, Iowa City, Ia..... 50 00
Satellite (1443).

Cow or heifer any age—9 entries:
Premium, John Stewart & Son, Elburn..... 50 00
Maid of Campton 6463; calved October 29, 1880; bred by John Stewart, Elburn; sire, Lincoln 2285; dam, Blackberry Maid 4891.

Awarding Committee—Bruno Cyanset, Hyde Park; M A Devine, Chicago; T. E. Miller, Beecher.

Stock Yards Prize.

HERD BEEF CATTLE.

Herd—Bull 2 or over; cow 3 or over; cow 2 and under 3; heifer 1 and under 2; heifer under 1—11 entries.
First premium, Fowler & Van Natta, Fowler, Ind.....$500 00
Second premium, Harvey Sodowsky, Indianola..... 300 00
Third premium, C. C. Walker, New Madison, O..... 200 00

YOUNG HERD.

Bull and five females under 2 years old—3 entries:
Premium, Adams Earl, Lafayette, Ind..... Dip.

Awarding Committee—Joseph Kincaid, Greenview; James Dunbar, Van Orin; umpire, F. I. Rappal, Cook.

CLASS B--HORSES.

E. C. LEWIS, *Superintendent Light Horses and Speed.*

DAVID GORE, *Superintendent Heavy Horses.*

Lot 22—Thoroughbred.

STALLIONS.

Stallion 4 or over—4 entries:
First premium, Theron Powers, Decatur..... 25 00
Volturo.
Second premium, A. B. Watts, Farmingdale..... 15 00
Voltigeuer; foaled 1872; bred by Gen. Hardin, Nashville, Tenn.; sire, Vandal; dam, Duet.

Stallion 3 and under 4—3 entries:
First premium, J. D. McFarland, Lincoln, Neb..... 20 00
Baron.

Stallion 2 and under 3—1 entry. No award.

Stallion 1 and under 2—4 entries:

First premium, Theron Powers, Decatur..... 15 00
Second premium, A. B. Watts, Farmingdale..... 10 00
Geo. Oyster, foaled, 1885; bred by A. B. Watts, Farmingdale; sire, Voltigeur; dam, Amanda Warren.

Stallion under 1—2 entries:
First premium, F. M. Rust, Randolph..... 15 00
Venture.

MARES.

Mare 4 or over—3 entries:
First premium, F. M. Rust, Randolph.....$25 00
Almeda.

Mare 3 and under 4—3 entries:
First premium, J. J. Ivey, Little York..... 20 00
Alvapr; foaled 1883; bred by —— ——; sire, Vaper; dam, Lady Allen.
Second premium, J. J. Ivey, Little York..... 10 00
Easter; foaled March, 1883; sire, Thunderstorm; dam, Linnet.

Mare, 2 and under 3—2 entries; no award:

Mare, 1 and under 2—4 entries:
First premium, A. B. Watts, Farmingdale..... 15 00
Little Mack; foaled 1885; bred by D. Sweitgard, Lexington, Ky.; sire, Glenelg; dam, Gondola.
Second premium, T. B. Watts, Richland..... 10 00
Alice R.; foaled May 25, 1885; bred by T. B. Watts, Richland; sire, Voltigeur; dam, Kate Condell.

Mare, under 1—1 entry; no award.

Breeding Rings.

Brood Mare, as shown by two of her colts—2 entries:
Premium, Geo. Hakes, Dana $50 00
Mollie Meuile; foaled 1876; bred by John Meuile, Louisville, Ky.; sire, Longfellow; dam, Magnolia.

Breeding Stallion, as shown by five of his colts—2 entries:
Premium, Geo. Hakes, Dana 100 00
Versailles; foaled 1866; bred by Mr. Viley, Ky.; sire, Vandal; dam, by Margrave.

Awarding Committee—Wilson Hopkins, Granville; T. J. Cooper, Princeton; David Kennedy, Bristol; P. A. Armstrong, Morris; H. V. Winston, Peru; Thornton Hunter, Owaneco.

Lot 23—Thoroughbred Sweepstakes.

Stallion, any age—7 entries:
Premium, Theron Powers, Decatur $100 00
Volturo.

Mare, any age—5 entries:
Premium, F. M. Rust, Randolph 50 00

Awarding Committee—E. J. Snyder, Cynthiana, Ky.; Y. D. Scales, Lincoln; H. C. Cullom, Joliet.

Lot 24—Roadsters.

STALLIONS.

Stallion, 4 or over—11 entries:
First premium, W. D. Crockett, Waukegan $25 00
Judge Hays; foaled May 25, 1879; bred by W. D. Crockett, Waukegan; sire, Robt. McGregor; dam, Luna.
Second premium, Stribling & Sons, Virginia 15 00
Prospect King; foaled 1880; bred by E. D. Herz, Lexington, Ky.; sire, Mambrino King 1279, dam, Maggie Marshall.

Stallion, 3 and under 4—7 entries:
First premium, Y. D. Scales, Lincoln 20 00
Diatonic, 2,63; foaled May, 1883; bred by A. G. Danforth, Washington; sire, Fairy Gift; dam, Nellie
Second premium, John Newman, Elgin 10 00
Newmont, 4877; foaled 1883; bred by Anthony Dey, Spring Station, Ky.; sire, Belmont; dam, Lulu.

Stallion, 2 and under 3—11 entries:
First premium, W. T. Baker, Bolivia 20 00
Bob Ingersoll; foaled April 26, 1884; bred by W. T. Baker, Bolivia; sire, Forest Chief; dam, Mat.
Second premium, Caton Stock Farm, Joliet 10 00
King Cossack; foaled 1884; bred by Caton Stock Farm, Joliet, sire, Don Cossack; dam, May Queen.

Stallion 1 and under 2—8 entries:
First premium, Stribling & Sons, Virginia 15 00
Virginia King, foaled 1885; bred by Stribling & Sons, Virginia; sire, Prospect King; dam, Puss Downing.
Second premium, F. M. Rust, Randolph 10 00
"S. R."

Stallion, under 1—6 entries:
First premium, Stribling & Sons, Virginia 15 00
Dandy King; foaled May 6, 1886; bred by J. M. Stribling, Virginia; sire, Prospect King, 6176; dam, unknown.
Second premium W. T. Baker Bolivia 10 00
Noonday; foaled May 20, 1886; bred by W. T. Baker, Bolivia; sire, Forest Chief; dam, Lola.

MARES.

Mare, 4 or over—13 entries:
First premium, Caton Stock Farm, Joliet 25 00
Jeannette; foaled 1883; bred by Caton Stock Farm, Joliet; sire, Don Cossack; dam, Lottie.
Second premium, John Kelly, Chicago 15 00
Opal.

Mare 3 and under 4—4 entries:
First premium, Caton Stock Farm, Joliet 20 00
Lady Cossack; foaled April 11, 1883; bred by Caton Stock Farm, Joliet; sire, Don Cossack, 980; dam, Sunrise.
Second premium, Caton Stock Farm, Joliet 10 00
Sarah Cossack; foaled March 30, 1883; bred by Caton Stock Farm, Joliet; sire, Don Cossack, 980; dam, Kate Carmen.

Mare 2 and under 3—13 entries:
First premium, Caton Stock Farm, Joliet..... $20 00
Sally Cossack; foaled June 10, 1884; bred by Caton Stock Farm, Joliet; sire, Don Cossack, 980; dam, Almonia Almont.
Second premium, Stribling & Sons, Virginia..... 10 00
Perfection King; foaled 1884; bred by Stribling & Sons, Virginia; sire, Prospect King; dam, Flip.

Mare 1 and under 2—4 entries:
First premium, Stribling & Sons, Virginia..... 15 00
Pearl King; foaled 1885: bred by Stribling & Sons, Virginia; sire, Prospect King; dam, Mol.
Second premium, W. J. Neely, Ottawa..... 10 00
Eva Spencer; foaled 1885; bred by W. J. Neely, Ottawa; sire, Ottawa Chief, 2456; dam, Bell Clay.

Mare under 1—8 entries:
First premium, Stribling & Sons, Virginia..... 15 00
Amy King; foaled May, 1886; bred by H C. Stribling, Virginia; sire, Prospect King 6176; dam, unknown.
Second premium, F. Holbrook, Glenwood..... 10 00
Arabella; foaled May 12, 1886; bred by F. Holbrook, Glenwood; sire, Young Florida; dam by Chicago Volunteer.

Breeding Rings.

Brood Mare, as shown by two of her colts; either sex, under 4 years old—2 entries:
Premium, Stribling & Sons, Virginia $50 00
Puss Downing; foaled 1877; bred by C. E. Redmond, Lexington, Ky.,; sire, Mambrino Downing; dam, Puss.

Breeding Stallion, as shown by five of his colts, either sex, under 4 years old—4 entries.
Premium, Stribling & Sons, Virginia 100 00
Prospect King.

Awarding Committee.—A. C. McIntire, Mendota; Mr. Beattie, Mr. Reynolds, Chicago.

Committee on Breeding Rings.—J. H. Pickrell, Chicago. A. Armstrong, Beason; Frank Wilkinson, Chicago.

Lot 25—Roadster—Sweepstakes.

Stallion, any age—16 entries:
Premium, W. D. Crockett, Waukegan..... $100 00
Judge Hays.

Mare, any age—15 entries:
Premium, Crum Bros., Liter..... 50 00
Mabel Graff; foaled 1884; bred by Wm. Graff, Ashland; sire, Cleveland Chief; dam, Fanny.

Awarding Committee.—I. C. Tanner, Elgin; T. H. Smith, Chicago; H. H. Yates, Chicago.

Lot 26—Saddle Horses.

STALLIONS.

Stallion, 4 or over—6 entries:
First premium, N. H. Rowland, Lexington, Ky..... $20 00
Senator Blackburn; foaled May 15, 1881; bred by G. C. Everett, Mt. Sterling, Ky.; sire, Dillard Dudley; dam, by Benton's Diomede.
Second premium, C. B. White, Chicago..... 10 00
Artisan.

Stallion, 3 and under 4—No entry.

Stallion, 2 and under—2 entries:
First premium, F. M. Rust, Randolph..... 20 00
Joe Johnson.

MARES.

Mare 4 or over—4 entries:
First premium, J. W. Brooks, Jr., Chicago..... $20 00
Annie; foaled 1879; bred by W. H. Davis, Fulton, Mo.; sire, Kentucky Bird; dam, unknown.
Second premium, R. Bright, Normal..... 10 00

Mare, 3 and under 4—1 entry:
First premium, Stribling & Sons Virginia..... 20 00
Bert H., foaled 1883; bred by Stevenson, & Sons, Little Indian; sire, Kentucky Prince; dam, S. T. B.

Mare, 2 and under 3—1 entry:
First premium, F. M. Rust, Randolph..... $20 00
Nettie.

SWEEPSTAKES.

Gelding, any age—10 entries:
Premium, C. B. Eddy, Shelbyville, Ky..... $50 00

Mare, any age—6 entries:
Premium, H. G. Buckner, Erlanger, Ky..... 50 00
Fannie Thompson; foaled Spring 1882; sire, Cromwell's Denmark; dam, by Paddy Burns.

Stallion, any age—6 entries:
Premium, C. B. White, Chicago..... 100 00
Artisan.

BREEDING RINGS.

Breeding Stallion, as shown by five of his colts, either sex, under 4 years of age.
Premium, F. M. Rust, Randolph.....$100 00
Miller Lee.

Awarding Committee.—Robt. F. Dilger, Havelock; R. Lancaster, Virginia; W. S. Vance, Kellogg.

Committee on Sweepstakes and Breeding Rings.—M. Graves, Cass Co.; Murray Turner, Lake County, Ind.; Wiley Buckles, Champaign.

Lot 27—Carriage Horses.

Carriage Team—6 entries.
First premium, N. H. Rowland, Lexington, Ky..... $40 00
Second premium, H. H. Martindale, Chicago..... 20 00

Family Mare or Gelding—16 entries:
First premium, Geo. W. Means, Hersman..... 20 00
Second premium, Caton Stock Farm, Joliet..... 10 00

Awarding Committee.—J. Crombie, Ashton; George Weedman, Farmer City; Wm. Brown, Sangamon; A. J. Wright, Chicago.

Lot 28—Gentlemen's Driving Horses.

Pair of Mares, to pole—7 entries:

First premium, Caton Stock Farm, Joliet..... $40 00
Second premium, Stribling & Sons Virginia..... 20 00

Pair of Geldings, to pole—6 entries:
First premium, O. C. Nelson, Chicago..... 40 00
Second premium, Harry Fancher, Chicago..... 20 00

Single Stallion, to harness—5 entries:
First premium, Crum Bros., Liter..... 40 00
Second premium, Geo. H. Covert, Chicago..... 20 00

Single Mare, to harness—13 entries:
First premium, Stribling & Sons, Virginia..... 30 00
Second premium, Caton Stock Farm, Joliet..... 15 00

Single Gelding, to harness—20 entries:
First premium, H. A. Treadwell, Elgin..... 30 00
Second premium, C. B. Eddy, Shelbyville..... 15 00

Awarding Committee.—W. M. Derby; Geo. Weedman, Farmer City; Wiley Buckles, Champaign; John W. Hunter, Owaneco; Phil. Warren, Springfield.

Lot 29—Equestrianism.

Boys' Riding—5 entries:
First premium, Hubert Van Norman, Aurora..... $10 00
Second premium, C. B. Eddy, Shelbyville, Ky..... 5 00
Third premium, Chas. Burgess, Wenona..... 3 00
Fourth premium, Geo. Palm, Chicago..... 2 00
Fifth premium, John Palm, Chicago..... 1 00

Awarding Committee.—Aaron Harford, Verona; G. B. Dunlap, Bloomington; David Kennedy, Bristol.

Lot 30—Saddle Ponies.

Any age or sex, under 14 hands—11 entries:

First premium, Geo. E. Brown & Co., Aurora. $20 00
Blucher.

Second premium, John Stewart & Son, Elburn 10 00
Ned.

Awarding Committee.—Lee Rust, Randolph; George Weedman, Farmer City; John O. Davis, Heyworth.

Lot 31—Speed.

Trotters, foals of 1884—stake $250 added—22 entries: Pansy Blossom, by W. J. Neely; Flora, by E. D. Morse; Cad Wade, by J. R. Stone; Rinaldo, by J. R. Stone; Brit, by Warlow & Petefish; Oliver, by L. L. Dorsey, Jr.; Corinne, by C. I & R. O. Dorsey; Ada, by A. G. Danforth; Archibald, by A. G. Danforth; Edna Gift, by G D. Schenck; Carter H., by D. C. Taylor; Clara Wilkes, by D C. Taylor; Georgette, by T. B. Muir; San Gabriel, by W. H. Wilson; Fanny R., by D. G Brown; Dora, by Y. D. Scales; Jessie, by Y. D. Scales; Brown, by W. A. Sanborn; Alta Cossack, by Caton Stock Farm; Cossack Lass, by Caton Stock Farm; Bashaw Cossack, by Caton Stock Farm; Leman, by Flaugher & Stivers. Heats won—1st Brown, time 2:39¼; 2d, Brown, time 2:41¼.

First money to Brown $292 50
Second money to Dora 146 25
Third money to Leman 73 13
Fourth money to Corinne 73 12

Trotters, foals of 1883, stake $250 added—16 entries: Bay Wilkes, by Shepherd & Hess; Estelle, by L. L. Dorsey, Jr.; Cleveland, by L. L. Dorsey, Jr.; Hendricks, by L. L Dorsey, Jr.; Eunice, by A. G Danforth; Billy Tompkins, by W. R. Tompkins; Edgar, by John Dupee; Lulu Harold, by D C. Taylor; Newcomb, by John W. Fisher; Diatonic, by Y. D. Scales; Maud Bashaw, by Charles Buckley; Silver Jug, by A W. Longley; Sarah Cossack, by Caton Stock Farm; Lady Cossack, by Caton Stock Farm; Pearl Medium, by L. E. Flaugher; Ego, by R. Lancaster. Heats won—1st, Pearl Medium; time 2:32; 2d, Pearl Medium, time 2:31½; 3d, Pearl Medium, time 2:32.

First money to Pearl Medium 242 50
Second money to Estelle 121 25
Third money to Diatonic 72 75

Trotters, foals of 1882, stake $250 added—11 entries: Rowena Sprague, by Knight & Peabody; Eleanora, by W. M. Akin; Rupert Medium, by Hulse & Son; Illinois Egbert, by A. G Danforth; Alice Hyatt, by W R. Tompkins; Lady Mascotte, by V. L Shuler. Champion Medium, by Dell Barker; Charm by Chas. Buckley; Williams, by W. A. Sanborn; Jeannette, by Caton Stock Farm; Cossack Maid, by Caton Stock Farm. Heats won—1st by Williams, time 2:29; 2d by Williams, time 2:23½; 3d by Williams, time 2:26.

First money to Williams 205 00
Second money to Jeannette 102 50
Third money to Eleanora 61 50

Trotters, foals of 1886, stake $250 added—9 entries: Mambrino Dick, by Geo J Castle; Principe, by Robert Dixon; Billy Wilkes, by Daniel Sapp; Governor Wood, by Corbin & Fisher; Corbin's Bashaw, by Wash. Corbin; Moody, by D. G Brown; Ottawa Chief, by Y. D. Scales; Champion Medium, by Dell Barker; Sprague Pilot, by F. S. Waters. Heats won—1st by Moody, time 2:36; 2d, by Moody, time 2:35¾; 3d by Moody, time 2:36.

First money to Moody 200 00
Second money to Sprague Pilot 100 00

Running Race, foals of 1884, stake $250 added—10 entries: Thos. Booth, by Phil. Warren; Turney Baird, by Phil. Warren; Fondette, by J. J. Ivey; Miss Alroy, by J. J. Ivey; Brown Bread, by W. B. Linell; Eileen Aroon, by Jas. C Burke; Limerick Lass, by Jas. C. Burke; Laura Keene, by L. W. Arnett; Ira E. Bride, by J S. Campbell; Bertha C., by J. S. Campbell. Three-fourth mile dash—time 1:17½.

First money to Ira E. Bride 295 50
Second money to Turney Baird 102 50
Third money to Fondette 61 50
Fourth money to Brown Bread 41 00

Running Race, foals of 1883, stake $250 added—7 entries: Easter, by J. J. Ivey; Alvapor, by J. J. Ivey; Ridgepole, by D. A. Gaddis; Nettie Arnett, by Wm. Arnett; Blush, by Wm. Arnett; J. H. Fenton, by J. S. Campbell; Henrietta, by J. S. Campbell.

First money to J. H. Fenton 185 00
Second money to Easter 92 00
Third money to Alvapor 55 50
Fourth money to Ridgepole 37 00

Grand Pacing Stake, $1,200—6 entries:
Lottie P., by W. D. Ham; Gossip Jr., by D. S. Quintin; Argyle, by R. M. Anderson; Dan D., by J. D. McFarland; Mike Wilkes, by Abe Rohrbach; Nettie Hoppin, by W. P. Johnson. Heats won—1st by Dan D., time 2:35¾; 2d by Dan D., time 2:25¼; 3d by Dan. D., time 2:23¾.
First money to Dan. D $800 00
Second money to Mike Wilkes 400 00

Special Running Stake for 2:15 horses, stake $1,800 added—3 entries: Clemmie G., by John Splan; Oliver K., by Budd Doble; J. Q., by W. H. Doak. Heats won—1st by Oliver K., time, 2:17¼; 2d by Oliver K., time, 2:22½; 3d by Oliver K., time 2:20¼.
First money to Oliver K 1000 00
Second money to Clemmie G 600 00

Special Trotting Stake, $400.00—3 entries: Charley Hogan, by Budd Doble; Opal, by John Kelley; Moody, by D. G. Brown. Heats won. 1st by Charley Hogan, time 2:27¼; 2d by Charley Hogan time 2:29; 3d by Charley Hogan, time 2:35½.
First money to Charley Hogan 300 00
Second money to Moody 100 00

Running Race, mile and repeat; purse $390—3 entries: J. H. Fenton, by George Hakes; Idle Pat, by Wm. Hulls; Easter, by J. J. Ivey. Heats won, 1st by Easter, time 1:49½; 2d by J. H. Fenton, time 1:50½; 3d by Easter, time 1:52.
First money to Easter 234 00
Second money to J. H. Fenton, ... 117 00
Third money to Idle Pat 39 00

Lot 32—French Draft Breeds (So-called) Other than Percheron.

STALLIONS.

Stallions 4 or over—15 entries:
First premium, Ligonier Live Stock Association, Ligonier, Ind 25 00
Marvelous 1369; foaled 1879; imported 1882.
Second premium, D. C. Mills, Ottawa 15 00
Gambetta 1260; foaled 1880; imported; sire, Fadora 765; dam, Sophia 6126.

Stallion 3 and under 4—5 entries:
First premium, Degen Bros., Ottawa 20 00
Pandor 4203 (260); foaled April 15, 1883; bred by M. Pervencheres, Orne, France; sire, Romulus (222); dam, Biche (4116).
Second premium, Dillon Bros., Normal 10 00
Carrillon; foaled 1883; sire, Dominant; dam, Bustigue 6006.

Stallion 2 and under 3—4 entries:
First premium, Dillon Bros., Normal 20 00
Bucephalus; foaled 1884; bred by Dillon Bros., Normal; sire, Bellaire 1094; dam, Chiccory 1649.
Second premium, Degen Bros., Ottawa 10 00
Brampton 4213 (155); foaled April 20, 1884; bred by M. Milcent, Ige, Orme, France; sire, Vaillant 6588; dam, Biche, 6589.

Stallion 1 and under 2—3 entries.
First premium, Dillon Bros., Normal 15 00
Gendarme 4516; foaled 1885; bred by Dillon Bros., Normal; sire, Champeau 1177; dam, Arizona 888.
Second premium, Dillon Bros., Normal 10 00
Stanley B.; foaled 1885; bred by Dillon Bros., Normal; sire, Leisure B 467; dam, Zoedine 1862.

Stallion under 1—2 entries:
First premium, Degen Bros., Ottawa 15 00
Col. Mills; foaled April 22, 1886; bred by Degen Bros., Ottawa; sire, Reussie 3131; dam, Tulip 1739.
Second premium, Degen Bros., Ottawa 10 00
Picash; foaled April 13, 1886; bred by Degen Bros., Ottawa; sire, Protecteur 3150; dam, Cares 1646.

MARES.

Mare 4 and over—10 entries:
First premium, Dillon Bros., Normal $25 00
Modesty G. 9998; foaled 1876; bred by Dillon Bros., Normal; sire, St. Laurent 753; dam, Gertrude 943.
Second premium, Dillon Bros., Normal 15 00
Lorelei G. 1533; foaled 1880; bred by Dillon Bros., Normal; sire, Loiset 715; dam, Modesty G. 586.

Mare 3 and under 4—2 entries:
First premium, Dillon Bros., Normal $20 00
Linnet B. 4447; foaled 1883; bred by Dillon Bros., Normal; sire, Leisure B. 1534; dam, Cullalie 1545.
Second premium, Dillon Bros., Normal 10 00
Essie G. 4448; foaled 1883; bred by Dillon Bros., Mormal; sire, Dudee 1589; dam, Lorelei G. 1533.

Mare 2 and under 3—4 entries:
First premium, Degen Bros.. Ottawa 20 00
Lady Logan 1872; foaled 1884; bred by Degen Bros., Ottawa; sire, Bob Ingersoll 1112; dam; Larkspur 1732.
Second premium, Dillon Bros., Normal 10 00
Anna G. 4452; foaled 1884; bred by Dillon Bros., Normal; sire, Suitor 4456; dam, Lorelei 1533.

Mare 1 and under 2—3 entries:
First premium, Dillon Bros , Normal 15 00
Mena 4470; foaled 1885; bred by Dillon Bros., Normal; sire, Leisure B. 1543; dam, Allala 1527.
Second premium, Degen Bros., Ottawa 10 00
Pattie; foaled March 20, 1885; bred by Degen Bros., Ottawa; sire, Galaze 2311; dam, Larkspur 1732.

Mare under 1—5 entries:
First premium, Ed. Hodgson, El Paso 15 00
Octavia 4092; foaled May 2, 1886; bred by Ed. Hodgson, El Paso; sire, Boulogne 1119; dam, Celeste 1642.
Second premium, J. B. Ayers & Son, Danvers 10 00
Viola.

BREEDING RING.

Brood Mare, as shown by two of her colts, any age or sex, under 4 years old—5 entries:
Premium, Dillon Bros., Normal $50 00
Lorelei G. 1533.

Breeding Stallion, as shown by five of his colts, any age or sex, under 4 years old—1 entry.
Premium, Dillon Bros., Normal 100 00
Extrador, 4525; foaled 1880; imported; sire, Favora, 1542; dam, Josephine.

Awarding Committee—H. H. Price, Umpire; H. Walters, Baltimore, Md.; J. V. Stricker, Baltimore, Md.

Lot 33—French Draft Breeds (so-called) Other than Percheron—Sweepstakes.

Stallion any age—19 entries:
Premium, Ligonier Live Stock Association, Ligonier, Ind $100 00
Marvelous, 1369.

Mare any age—15 entries:
Premium, Dillon Bros., Normal 50 00
Modesty G, 9998.

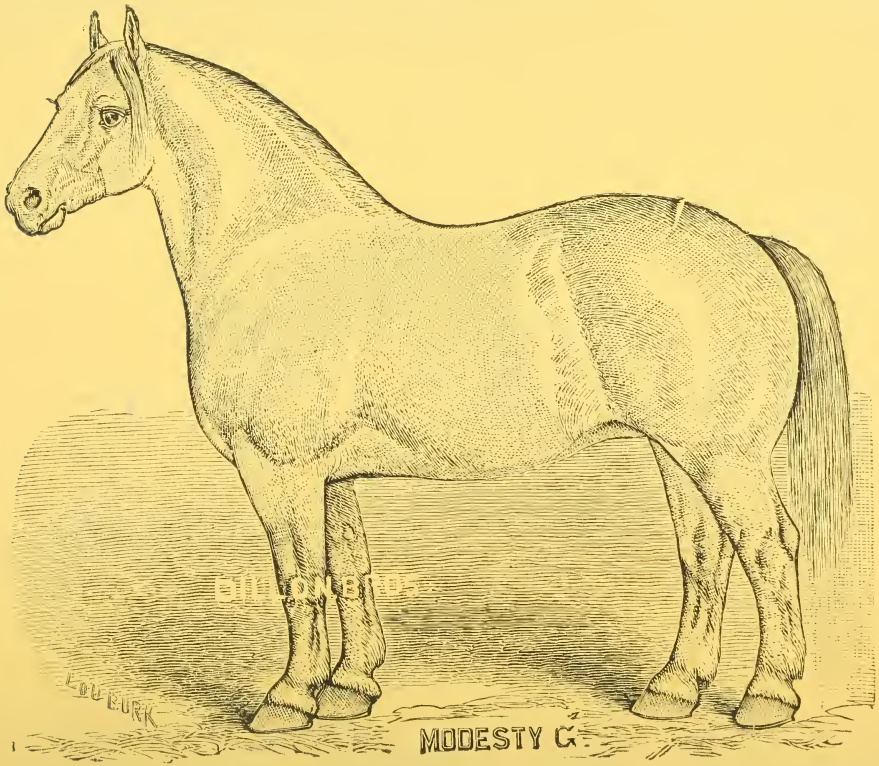
Awarding Committee—J. L. Moore, Polo; G. E. Morrow, Champaign; Jas. Galbraith, Janesville, Wis.

Lot 34—Percheron.

STALLIONS.

Stallion 4 or over—79 entries:
First premium, W. L. Ellwood, DeKalb $25 00
Cheri, 5079; foaled June 13, 1881; bred by C. Caget, Montague, France; sire, Bayard; dam, Mignonne.
Second premium, T. Slattery, Onarga 15 00
Jupiter, 2918 (2595); foaled 1882; imported; sire, Cheri; dam, Charlotte.

Stallion 3 and under 4—51 entries:
First premium, W. L. Ellwood, DeKalb 20 00
Sansonnet, 5046 (4414); foaled May 17, 1883; bred by M. Rottier, Vibraye, France; sire, L'Anie (1388); dam, La Pelotte.
Second premium, W. L. Ellwood, DeKalb 10 00
Extrador, 4979 (6890); foaled April 7, 1883; bred by M. Girard, Villaines-la-Gonais, France; sire, Butor (6741); dam, Lisette (4860.)



French Draft Mare, Modesty G 9998, exhibited by Dillon Bros., Normal, Ill. Awarded sweepstakes premium, Illinois State Fair, 1886.

Stallion 2 and under 3—41 entries:

First premium, W. L. Ellwood, DeKalb $20 00
Paola, 5025 (4914); foaled June 10. 1884; bred by M. Miteau, Essai, France; sire, Superieur (425); dam, Bijou (4035.)

Second premium, W. L. Ellwood, DeKalb 10 00
Tarquin, 5003 (5120); foaled April 2, 1884; bred by M. Monguillon, Mamers, France; sire, Picador (7173); dam, Poule (5719.)

Stallion 1 and under 2—12 entries:

First premium. D. H. Van Dolah, Lexington 15 00

Second premium, D. H. Van Dolah, Lexington 10 00

Stallion under 1—6 entries:

First premium, Bowles & Hadden, Janesville, Wis 15 00
Vert Gallant, (5350); foaled March 20, 1886; bred by M. Miteau, Essai, France; sire, Vert Gallant, 5713 (4025); dam, Fleurette, 5280 (6268.)

Second premium, D. Dunham, Wayne 10 00
Aigo, 4042.

MARES.

Mare, 4 or over—63 entries:

First premium, W. L. Ellwood, DeKalb $25 00
Queen of Perche, 5056; foaled May 20, 1881; bred by M. Baptiste Dumur, St. Jean-des Echelles, France; sire, Favora 1542 (765); dam, Louison (6739.)

Second premium, M. W. Dunham, Wayne 15 00
Ercilla, 2211 (1429,) foaled 1879; imported; sire, Waterloo, 2199 (733;) dam, by Luther (792.)

Mare, 3 and under 4—23 entries:

First premium, M. W. Dunham, Wayne 20 00
Angele, 4342 (4850;) foaled March 21, 1883; bred by M. Bourgsteau, Corories, France; sire, Favori III (1381); dam, Marnotte (4849.)

Second premium, M. W. Dunham, Wayne 10 00
Frasie, 4358 (4740); foaled April 14, 1883; bred by M. Jonaux, St. Longis, France; sire, Sultan (4718); dam, Bamboche (4766).

Mare 2 and under 3—14 entries:

First premium, M. W. Dunham, Wayne 20 00
Belle, 4352 (4852); foaled April 12, 1884; bred by M. Dumur, Champroud, France; sire, Lagrange, 3065 (1334) dam, Biche (4851).

Second premium, M. W. Dunham, Wayne 10 00
Brilliante, 4354 (4065); foaled April 6, 1884, bred by M. Durand, Preaux, France: sire, Vaillant (404): dam, Julie (4887).

are 1 and under 2—19 entries:

First premium, M. W. Dunham, Wayne 15 00
Rafale, 4391; foaled April 17, 1885; bred by M. W. Dunham, Wayne; sire, Brilliant, 1271 (755); dam, Rachael, 1461 (1460),

Second premium, M. W. Dunham, Wayne 10 00
Mirane, 4379; foaled April 2, 1885; bred by M. W. Dunham, Wayne; sire, Brilliant, 1271 (755); dam, Millicent, 2791 (1578).

Mare under 1—7 entries:

First premium, D. Dunham, Wayne 15 00
Siva, 4837; foaled April 2., 1886; bred by Daniel Dunham, Wayne; sire, Prosper, 2501 (1155); dam, Anna, 1093.

Second premium, D. Dunham, Wayne 10 00
Leila, 4841; foaled April 18, 1886; bred by Daniel Dunham, Wayne: sire, Prosper, 2501 (1155); dam, Buda, 1069 (1359).

BREEDING RINGS.

Brood mare as shown by two of her colts, any age or sex, under 4 years old—4 entries:
Premium, M. W. Dunham, Wayne 50 00

Breeding stallion as shown by five of his colts, any age or sex, under 4 years old—2 entries:
Premium, M. W. Dunham, Wayne 100 00
Brilliant, 1271 (755); foaled 1876; bred by M. Ernest Perriot, Nogent-le-Rotrou, France; sire, Brilliant, 1899 (756); dam, Ragout.

PERCHERON ASSOCIATION PREMIUM.

Illinois-bred stallions—4 entries:
Premium, Marshall McCalley, Cedar Rapids, Ia ..... Gold medal
Bartholdi, 3666; foaled May 14, 1884; bred by M. W. Dunham, Wayne; sire, Brilliant, 1271 (755); dam, Rachael, 1461 (1460).

Awarding Committee—Henry Frey, York, Neb.; J. O. Davis, Heyworth; G. B. Gray, Graymont.

Lot 34½—Percheron—Sweepstakes.

Stallion any age—38 entries:
Premium, W. L. Ellwood, DeKalb $100 00
Cheri 5079.

Mare any age—35 entries:
Premium, M. W Dunham, Wayne 50 00
Rosalia 4370 (4361); foaled April 8, 1882; bred by M. Faussabry, Chevreau, France; sire, Favori (1401); dam, Lisette (4860).

Awarding Committee—G. E. Morrow, Champaign; J. L. Moore, Polo; James Galbraith, Janesville, Wis.

Lot 35—Clydesdale.

STALLIONS.

Stallion 4 or over -31 entries:
First premium, A. Z. Blodgett, Waukegan 25 00
King o' the Causey 1935 (2908); foaled April 22, 1881; bred by Alexander Davidson, Oldmeldrum, Scotland; sire, Lord Derby 486; dam, Kate (1177).
Second premium, Cress Bros., Washington 15 00
Freeland 2396 (3609); foaled April 30, 1882; bred by R. Moffatt, Paisley, Scotland; sire, Young Lord Lyon 826; dam, Kate of Freeland (2553).

Stallion 3 and under 4—13 entries.
First premium, John Faulk, Mendota 20 00
Topsman 1271; foaled July 13, 1883, bred by John Faulk, Mendota; sire, General 1049; dam, Netty II. 43.
Second premium, Door Prairie L. Stk. Ass'n., Door Village, Ind 10 00
Duke of Rothesay 2938; foaled June 1, 1883, bred by James Duncan, Bute, Scotland; sire, Gilderoy (1438); dam, Maggie.

Stallion 2 and under 3—15 entries.
First premium, Galbraith Bros., Janesville, Wis 20 00
Lad o' Fashion 2838; foaled May 28, 1884; bred by John Gray, Ayrshire, Scotland; sire, Robin Hood (3133); dam, Bella of Tongue.
Second premium, J. & R. Murray, Dixon 10 00
Clingstone 4296; foaled May, 1884; bred by Miss Doig, Scotland; sire, Frederick 2774; dam, Maggie of Barline 782.

Stallion 1 and under 2—11 entries;
First premium, Charles Lilley, Kewanee 15 00
Baby Boy.
Second premium, R. Holloway, Alexis 10 00
Advance.

Stallion under 1—8 entries:
First premium, R. Holloway, Alexis 15 00
Cairnbroggie 2d.
Second premium, R. Holloway, Alexis 10 00
Handsome.

MARES.

Mare 4 or over—12 entries:
First premium, Wm. Roxburgh, Cedar Rapids, Ia $25 00
Bell Waddell 2251; foaled June 8, 1881; bred by J. Brownlie, East Whitburn, Scotland; sire, Duke of Hamilton (2074); dam, Darling (3300).
Second premium, Galbraith Bros., Janesville, Wis 15 00
Nancy Lee 681; foaled April 29, 1879; bred by Andrew Wyllie, Wigtownshire, Scotland; sire, Lord Lyon (489); dam, Jean (678).

Mare 3 and under 4—3 entries:
First premium, Moffatt & Bro., Paw Paw 20 00
Daisy 2084; foaled May 12, 1882; bred by Samuel Campbell, Scotland; sire, Prince Albert (616); dam, Jean (2014).
Second premium, Galbraith Bros., Janesville, Wis 10 00
Miss Gilderoy 2847; foaled May, 1883; bred by Robert McAllister, Bute, Scotland; sire, Gilderoy (1438); dam. Bell of Ascog (833).

Mare 2 and under 3—5 entries:
First premium, R. Holloway, Alexis 20 00
Polly Pointsman 2859, foaled April 22, 1884; bred by Robert Holloway, Alexis; sire, Pointsman 1912; dam, Polly Templeton 866.
Second premium, R. Ogden & Son, Cameron 10 00
Princess Lovely 2788, foaled May 20, 1884; bred by W. H. Frantz, Monmouth; sire, Cairnbrogie Keir 307; dam, Princess of Wales 278.

Mare 1 and under 2—7 entries:
First premium, Joseph Moffat, Paw Paw..... $15 00
Dove 2d 2268; foaled October 11, 1884; bred by Joseph Moffatt, Paw Paw; sire, Appollo 255; dam, Dove 728.
Second premium, Galbraith Bros., Janesville, Wis..... 10 00
Kate Erskine 2851; foaled June 1, 1885; bred by Wm. Duthie, Aberdeenshire, Scotland; sire, Lord Erskine (1744); dam, Saucy Kate (2125).

Mare under 1—2 entries:
First premium, R. Holloway, Alexis..... 15 00
St. Cuthbert's Daisy 2863, foaled May 17, 1886; bred by Robert Holloway, Alexis: sire, St. Cuthbert 1585; dam, Druid's Daisy 310.
Second premium, Joseph Moffatt, Paw Paw..... 10 00
Dove 3d; foaled May 10, 1886: bred by Joseph Moffatt, Paw Paw; sire, Corsair; dam, Dove, 728.

BREEDING RINGS.

Brood mare as shown by two of her colts, any age or sex, under 4 years old—8 entries:
Premium, Joseph Moffatt, Paw Paw..... 50 00
Dove 728; foaled February 3, 1878; bred by John Hendrie, Coatbridge, Scotland; sire, Farmer 735 (286); dam, Maggie (155).

Breeding Stallion as shown by five of his colts, any age or sex, under 4 years old - 2 entries:
Premium, John Faulk, Mendota..... 100 00
General (323) 1049; foaled May, 1874; bred by John Mar, Cairnbrogie, Scotland; sire, Lord Derby 486 (485); dam, Keir Princess (199).

Awarding Committee—John McDonald, Porterfield, Scotland: Griffith Richards, Cambria, Wis., George Davidson, Monticello, Ia.: L. G. Carpenter, Chicago; S. W. Reigler, Franklin Grove; J. S. Evey, Tower Hill.

Lot 36—Clydesdale—Sweepstakes.

Stallion any age—31 entries:
Premium, Cress Bros., Washington..... $100 00
Freeland 2596 (3609).

Mare any age—18 entries:
Premium, Wm. Roxburgh. Cedar Rapids, Ia..... 50 00
Bell Waddell 2251.

Awarding Committee—F. A. Judy, Edwardsville; Abner Strawn, Ottawa; W. D. Gruber, Grand Ridge.

Lot 37—English Shire.

STALLIONS.

Stallion 4 or over—21 entries:
First premium, Miller Bros., Mackinaw..... $25 00
Pompey 493 (2644); foaled 1880; bred by W. G. Smeeton, Theddingworth, Eng.; sire, Great Britain (977); dam Kit.
Second premium, Burgess Bros., Wenona..... 15 00
Masher (3218); foaled 1882; bred by T. H. Miller, Lancaster, Eng.; sire, Honest Tom (1105); dam, Trimmer.

Stallion 3 and under 4—19 entries:
First premium, Galbraith Bros., Janesville, Wis..... 20 00
Blythe Ben 280: foaled 1883: bred by J. Osborne, Swavesey, Cambridge; sire, Kempston (3163); dam, by Thumper (2136).
Second premium, Geo. E. Brown & Co., Aurora..... 10 00
Terra Cotta (4086): foaled 1883; bred by A. H. Clark, Moulton, Eng.; sire, Lincolnshire Tom (1367); dam by Farmer's Glory (865).

Stallion 2 and under 3—11 entries:
First premium, Burgess Bros, Wenona..... 20 00
Rampton (4639); foaled 1884; bred by Mr. Simpson, Lincolnshire, Eng.: sire, Laneham (130); dam by Champion (442).
Second premium, Stericker Bros., Springfield..... 10 00
Eureka; foaled spring 1884; sire, Brown George (4282); dam, Diamond.

Stallion 1 and under 2—4 entries:
First premium, Geo. E. Brown & Co., Aurora..... 15 00
Top Gallant; foaled 1885; bred by A. H. Clark, Moulton, Eng.: sire, Holland Wonder (3136); dam, Miss Matchless.
Second premium, Burgess Bros., Wenona..... 10 00
King Joseph; foaled 1885; bred by Joseph Oxley, Bole Notts, Eng.; sire, Coming King (4324; dam by Wellington (2319).

Stallion under 1—2 entries:
First premium, Burgess Bros , Wenona..... $15 00
Good Enough; foaled 1886; bred by Burgess Bros., Wenona; sire, Lincoln (1351); dam by Nonpareil (2857).
Second premium. Melbourne Stock Farm, Washington..... 10 00
Gipsey King (497); foaled March 31, 1886; bred by Melbourne Stock Farm, Washington; sire, Melbourne (3869); dam, Brunett (504).

MARES.

Mare 4 or over—18 entries:
First premium, Burgess Bros.. Wenona..... 25 00
Brown Dutchess; foaled 1879; bred by H. Fullard, Cambridge, Eng., sire, Iron Duke (1157); dam by Major (1462).
Second premium, Ed Hodgson, El Paso..... 15 00
Charming; foaled 1880; bred by Alfred Fuller, Eng.: sire, Major (1461); dam, Cloots.

Mare 3 and under 4—4 entries:
First premium, Burgess Bros , Wenona..... 20 00
Lady Beaconsfield; foaled 1883; bred by Mr. Stooks, Gloucester, Eng.; sire, Lord Beaconsfield (2529); dam by Hydraulic (1130).
Second premium, J. B. Ayers, Danvers..... 10 00
Miss Collins.

Mare 2 and under 3—4 entries:
First premium, Burgess Bros., Wenona..... 20 00
Wenona Queen; foaled 1884; bred by Burgess Bros., Wenona; sire, Victor (4143); dam, Grimoldby Queen.
Second premium, Geo E, Brown & Co., Aurora..... 10 00
Zoe; foaled 1884; bred by Wm. Chatterton, Boston, Eng., sire, Peter Eden (3251); dam by Brown Champion (292).

Mare 1 and under 2—3 entries:
First premium, Melbourne Stock Farm, Washington..... 15 00
Beauty (512); foaled April 14, 1885; bred by Melbourne Stock Farm, Washington; sire, Master Willie (494); dam, Frolicsome (507).
Second premium, Geo. E. Brown & Co., Aurora..... 10 00
Axtel; foaled 1885; bred by A. H. Clark, Moulton, Eng.; sire, Lord Randolph (3830); dam, by Lincolnshire Tom (1367).

Mare under 1—3 entries:
First premium, Melbourne Stock Farm, Washington..... 15 00
Duchess (518); foaled April 11, 1886; bred by Melbourne Stock Farm, Washington; sire, Melbourne (3869); dam, Frolicsome (507).
Second premium, J. B. Ayers, Danvers..... 10 00
Diamond.

BREEDING RINGS.

Brood Mare, as shown by two of her colts, any age or sex, under four years of age—2 entries:
Premium, J. B. Ayres, Danvers..... 50 00
Gypsey Girl.

Breeding Stallion, as shown by five of his colts, any age or sex, under four years of age—No entry.

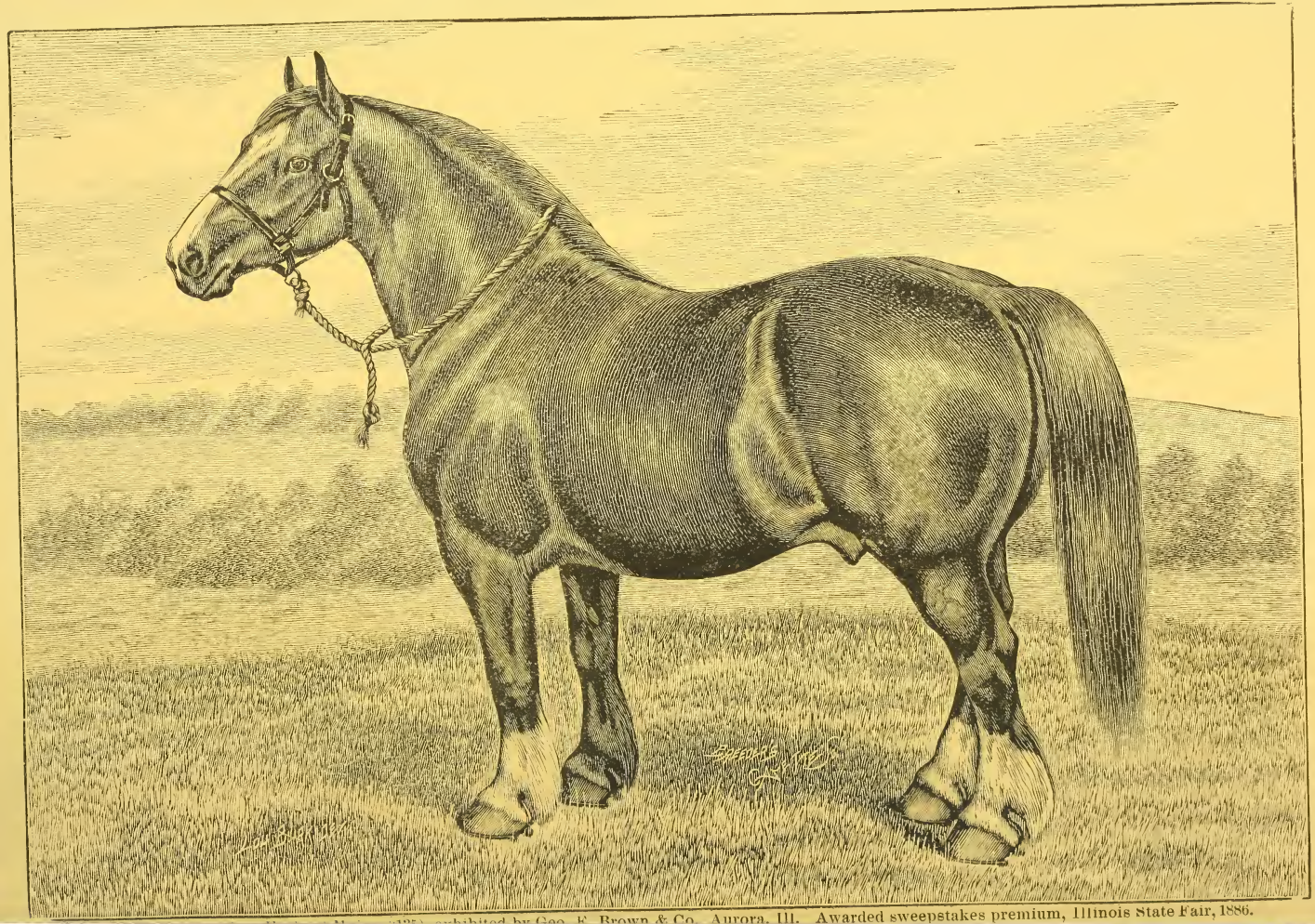
Awarding Committee.—John Conly, Worth; John Crandall, Worth; Ira McCord, Orland.

Lot 38—English Shire—Sweepstakes.

Stallion, any age—28 entries:
Premium, Geo. E. Brown & Co., Aurora..... $100 00
Holland Major (3135); foaled 1882; bred by Earl of Warwick, Warwick, Eng.; sire, Right Sort (2483); dam, Smart.

Mare, any age—17 entries:
Premium, Burgess Bros., Wenona..... 50 00
Lady Beaconsfield.

Awarding Committee.—John Conly, Worth; John Crandall, Worth; Ira McCord, Orland.



Horse No. 1351, exhibited by Geo. F. Brown & Co., Aurora, Ill. Awarded sweepstakes premium, Illinois State Fair, 1886.

Lot 39—Cleveland Bay.

STALLIONS.

Stallion, 4 or over—6 entries:
First premium, Stericker Bros., Springfield..... $25 00
Lord Morpeth; foaled May, 1882; bred by J. Laverack, North Cave, England; sire, Bay President; dam, by Emperor (144)
Second premium, Geo. E. Brown & Co., Aurora..... 15 00
Gloucester; foaled 1881; bred by R. Bruere, Bedale, Eng.; sire, British Splendour; dam, by Wonderful Boy

Stallion 3 and under 4—10 entries:
First premium, Burgess Bros., Wenona..... 20 00
Eastern Star; foaled 1883; bred by Isaac Ward, Yorkshire, Eng.; sire, Prince George (235); dam, by Emperor (387).
Second premium, Geo. E. Brown & Co., Aurora..... 10 00
Marlboro; foaled 1883; bred by R. Bruere, Bedale, Eng.; sire, Splendour; dam, by Wonderful Boy.

Stallion, 2 and under 3—9 entries:
First premium, Stericker Bros., Springfield..... 20 00
Ventnor; foaled spring 1884; bred by F. P. Baker, Ingmanthorpe, Eng.; sire, Cyrus (113); dam, by Splendor (446).
Second premium, Geo. E. Brown & Co., Aurora..... 10 00
Sporting Times; foaled 1884; bred by Mr. Welford, Sr., Pickering, Eng.; sire, Sportsman (299); dam by Michael (205).

Stallion 1 and under 2—2 entries:
First premium, C. H. Fowler, Wenona..... 15 00
Prince George; foaled 1885; bred by J. F. Crowther, Yorkshire, Eng.; sire, Prince George (235); dam by Fidius Dius (170).
Second premium, Stericker Bros., Springfield..... 10 00
Premier; foaled spring, 1885; bred by Wm. Rook, Rookburgh, Eng.; sire, Sportsman (299); dam by Governor (135).

Stallion under 1—No entry.

MARES.

Mare 4 or over—8 entries:
First premium, Geo. E. Brown & Co., Aurora..... 25 00
Trinket; foaled 1879; bred by R. Stonehouse, Whitby, Eng.; sire, County King; dam by Champion of England (35).
Second premium, Geo. E. Brown & Co., Aurora..... 15 00
Vivian; foaled 1881; bred by Mr. Helm, Kirby Moorside, Eng.; sire, Colonel; dam by Herod.

Mare 3 and under 4—5 entries;
First premium, C. H. Fowler, Wenona..... 20 00
Lady Symington; foaled 1883; bred by J. F. Crowther, Yorkshire, Eng.; sire, Salesman; dam by Wonderful Lad.
Second premium, C. H. Fowler, Wenona..... 10 00
Beauty; foaled 1883; bred by Wm. White, Yorkshire, Eng.; sire, Young Candidate; dam by Calams.

Mare 2 and under 3—4 entries:
First premium, C. H. Fowler, Wenona..... 20 00
Libby; foaled 1884; bred by Geo. Nicholson, Yorkshire, Eng.· sire, Sportsman (299); dam by Colonel (75).
Second premium. Geo. E. Brown & Co., Aurora..... 10 00
Patience; foaled 1884, bred by Wm. Barber, Askham, Eng.; sire, Wonderful Lad; dam by The Admiral.

Mare 1 and under 2—No entry.

Mare under 1—No entry.

BREEDING RINGS.

Brood Mare as shown by two of her colts, any age or sex, under 4 years old—No entry.

Breeding Stallion as shown by five of his colts, any age or sex, under 4 years old—No entry.

Awarding Committee—L. G. Carpenter, D. Hadley, M. C. Hodgson.

Lot 40—Cleveland Bay—Sweepstakes.

Stallion any age—12 entries:
Premium, Geo. E. Brown & Co., Aurora..... $100 00
Marlboro.

Mare any age—7 entries:
Premium, C. H Fowler, Wenona..... $50 00
Lady Symington.

Awarding Committee—E. C. Eddy, Shelbyville, Ky.; I. C. Tanner, Elgin; John Cauley, Worth.

Lot 41—Grade Draft Horses.

STALLIONS.

Stallion 4 or over—7 entries:
First premium, J. B. Ayers, Danvers..... $25 00
Second premium, David Fisher, Goderich, Ont..... 15 00

Stallion 3 and under 4—4 entries:
First premium, Ed. Hodgson, El Paso..... 20 00
Second premium, B. S. Harper, La Rose..... 10 00

Stallion 2 and under 3 - 23 entries:
Flrst premium, J. B Foley, Gibson City..... 20 00
Second premium, Dillon Bros., Normal..... 10 00

Stallion 1 and under 2—17 entries:
First premium, David Fisher, Goderich, Ont..... 15 00
Second premium, David Fisher, Goderich, Ont..... 10 00

Stallion under 1—10 entries:
First premium, W. Atchison, Waynesville..... 15 00
Second premium, J. B. Ayers, Danvers..... 10 00

MARES.

Mare 4 or over—25 entries:
First premium, J. B. Ayres, Danvers..... 25 00
Second premium, Dillon Bros, Normal..... 15 00

Mare 3 and under 4—7 entries:
First premium, Dillon Bros., Normal..... 20 00
Second premium, M. T. Ames, Minonk..... 10 00

Mare 2 and under 3—13 entries:
First premium, R. Ogden & Son, Cameron..... 20 00
Second premium, R. Holloway, Alexis..... 10 00

Mare 1 and under 2—7 entries:
First premium, R. Ogden, Cameron..... 15 00
Second premium, D. Atchison, Waynesville..... 10 00

Mare under 1—12 entries:
First premium, R. Ogden & Son, Cameron..... 15 00
Second premium, Dillon Bros., Normal..... 10 00

BREEDING RINGS.

Brood Mare, as shown by two of her colts, any age or sex, under four years old—8 entries:
Premium, Dillon Bros., Normal..... 50 00

Breeding Stallion, as shown by five of his colts, any age or sex, under 4 years old—3 entries:
Premium, D. Atchison & Co., Waynesville..... 100 00

Awarding Committee.—L. G. Carpenter; W. S. Brookins; Jacob Seiler.

Lot 42—Grade Draft Horses—Sweepstakes.

Stallion, any age—31 entries;
Premium, J. B. Foley, Gibson City..... $100 00

Mare, any age—30 entries:
Premium, R. Ogden & Son, Cameron..... 50 00

Awarding Committee.—L. G. Carpenter; W. S. Brookins; Jacob Seiler.

Lot 43—Horses for all Work.

STALLIONS.

Stallion 4 or over—12 entries:
First premium, Cater Bros., Libertyville $25 00
Second premium, A. Oltmanns, Danforth 15 00

Stallion 3 and under 4—3 entries:
First premium, A. Armstrong, Beason 20 00
Second premium, Geo. W. Means, Hersman 10 00

Stallion 2 and under 3—12 entries:
First premium, Burgess Bros., Wenona 20 00
Second premium, W. T. Baker, Bolivia 10 00

Stallion 1 and under 2—7 entries:
First premium, Crum Bros., Liter 15 00
Second premium, Geo. W. Means, Hersman 10 00

Stallion under 1—5 entries:
First premium. Geo. W. Means, Hersman 15 00
Second premium, F. M. Rust, Randolph 10 00

MARES.

Mare 4 or over—4 entries:
First premium, Stribling & Sons, Virginia 25 00
Second premium, A. Armstrong, Beason 15 00

Mare 3 and under 4—5 entries:
First premium, Crum Bros., Liter 20 00
Second premium, C. H. Fowler, Wenona 10 00

Mare 2 and under 3—4 entries:
First premium, W. T. Baker, Bolivia 20 00
Second premium, Crum Bros., Liter 10 00

Mare 1 and under 2—1 entry:
First premium, Crum Bros., Liter 15 00

Mare under 1—7 entries:
First premium, F. M. Rust, Randolph 15 00
Second premium, Geo. W. Means, Hersman 10 00

BREEDING RINGS.

Brood Mare, as shown by two of her colts, any age or sex, under four years old—3 entries:
Preminm, W. T. Baker, Bolivia 50 00

Breeding Stallion, as shown by five of his colts, any age or sex, under 4 years old—4 entries:
Premium, W. T. Baker, Bolivia 100 00

Awarding Committee:—S. Field, Hillsboro; T. J. Judy, Edwardsville.

Lot 44—Horses for all Work—Sweepstakes.

Stallion any age—22 entries:
Premium, J. R. Dunlap, Sherman $100 00

Mare any age—12 entries:
Premium, Geo. W. Means, Hersman 50 00

Awarding Committee.—John Conly, D. W. Baker.

Lot 45—Jacks, Jennets and Mules.

JACKS.

Jack 4 or over—No entry.
Jack 3 and under 4—No entry.
Jack 2 and under 3—1 entry:
First premium, Albert Babb, Taylorville $20 00

Jack 1 and under 2—1 entry:
First premium, Albert Babb, Taylorville 15 00
Jack under 1—1 entry:
First premium, Albert Babb, Taylorville 15 00

JENNETS.

Jennet 3 or over—2 entries:
First premium, Albert Babb, Taylorville..... $25 00
Second premium, Albert Babb, Taylorville..... 15 00

Jennet 2 and under 3—1 entry:
First premium, Albert Babb, Taylorville..... 20 00

Jennet 1 and under 2—1 entry:
First premium, Albert Babb, Taylorville..... 15 00

Jennet under 1—1 entry:
First premium, Albert Babb, Taylorville..... 15 00

MULES.

Mule 3 or over—4 entries:
First premium, D. H. King, Jackson..... 15 00
Second premium, D. H. King, Jackson..... 10 00

Mule 2 and under 3—No entry.

Mule 1 and under 2—No entry.

Mule under 1—No entry.

Awarding Committee—T. E. Mitchell, Vandalia; S. Field. Hillsboro.

Lot 46—Jacks, Jennets and Mules—Sweepstakes.

Jack any age, shown with 3 of his get—No entry.

Jennet any age, shown with 2 of her colts—2 entries:
Premium, Albert Babb, Taylorville..... $25 00

Team of Mules, 3 years old or over, to be shown to farm wagon—2 entries:
First premium, D. H. King, Jackson..... 20 00
Second premium, C. L. Benjamin, Big Rock..... 10 00

Awarding Committes—J. H. McGready. Carlinville: T. J. Judy, Edwardsville; B. M. Burke, Carlinville

PRIZES AWARDED AT THE

Third Annual Exhibition of the AMERICAN CLYDESDALE ASSOCIATION, Held in Connection with the Illinois State Fair, 1886.

Lot 47—Recorded Clydesdales.

STALLIONS.

Stallion 4 or over—17 entries:
First premium, A. G. Danforth, Washington..... $60 00
Logie the Laird 2340.
Second premium, Moffatt Bros., Paw Paw..... 30 00
Conningsby.
Third premium, Galbraith Bros., Janesville, Wis..... 15 00
Gilderoy 2826.

Highly commended, R. Ogden & Son, Cameron—Marquis 717.
Commended, Cress Bros., Washington—Freeland 2396.

Stallion 3 and under 4—8 entries:
First premium, Galbraith Bros., Janesville, Wis..... 60 00
Bambro II. 2852.
Second premium, Door Prairie L. S. Ass'n, Door Village. Ind..... 30 00
Duke of Rothesay 2938.
Third premium, J. & R. Murray, Dixon..... 15 00
Rutherford 2868.

Highly commended, Wm. Roxburgh, Cedar Rapids, Ia.—Hill Chief 2930.
Commended, Galbraith Bros., Janesville, Wis.—Ben Nagle 2837.

Stallion 2 and under 3—10 entries:
First premium, J. & R. Murray, Dixon..... $60 00
Clingstone 2866.
Second premium, Galbraith Bros., Janesville, Wis..... 30 00
Lad o' Fashion 2838.
Third premium, Galbraith Bros., Janesville, Wis..... 15 00
Shakespeare 2839.

Highly commended, Galbraith Bros., Janesville, Wis.—Gallant Boy 2843.

Stallion 1 and under 2—8 entries.
First premium, Charles Lilly, Kewanee..... 60 00
Baby Boy.
Second premium, R. Holloway, Alexis..... 30 00
Advance 2856.
Third premium, R. Holloway, Alexis..... 15 00
Tarbreoch Yet 2857.

Highly commended, A. Z. Blodgett, Waukegan—Sunset 2410.
Commended, Galbraith Bros., Janesville, Wis.—Gay Gallant 2846.

Stallion under 1—8 entries:
First premium, R. Ogden & Son, Cameron..... 60 00
Fergus McIver 2870.
Second premium, R. Holloway, Alexis..... 30 00
Handsome 2861.
Third premium, A. Z. Blodgett, Waukegan..... 15 00

Highly commended, R. Holloway, Alexis—Cairnbrogie II. 2862.
Commended, A. Z. Blodgett, Waukegan.

MARES.

Mare 4 or over—8 entries.
First premium, Wm. Roxburgh, Cedar Rapids, Ia..... 60 00
Bell Waddell 2251.
Second premium, Galbraith Bros., Janesville, Wis..... 30 00
Music 2847.
Third premium, Wm Moffatt & Bro., Paw Paw..... 15 00
Darling XIV. 261.

Highly commended, Galbraith Bros., Janesville, Wis.—Lady Darnley 2847.
Commended, Galbraith Bros., Janesville, Wis.—Nancy Lee 681.

Mare 3 and under 4—4 entries:
First premium, Wm. Moffatt & Bro., Paw Paw..... 60 00
Daisy 2084.
Second premium, Galbraith Bros,, Janesville, Wis..... 30 00
Miss Gilderoy 2847.
Third premium, R. Holloway, Alexis..... 15 00
Princess Blantyre 1739.

Highly commended, Galbraith Bros., Janesville, Wis.—Miss McLangshire.

Mare 2 and under 5 years—3 entries:
First premium, R. Holloway, Alexis..... 60 00
Pointsman's Polly 2859.
Second premium, R. Ogden & Son, Cameron..... 30 00
Rosetta 2131.
Third premium, R. Ogden & Son, Cameron..... 15 00
Princess Lovely.

Mare 1 and under 2—4 entries:
First premium, Joseph Moffatt, Paw Paw..... 60 00
Dove II. 2268.
Second premium, R. Holloway, Alexis..... 30 00
May Hawthorn 2854.
Third premium, R. Holloway, Alexis..... 15 00
Lady Tarbreoch 2853.

Highly commended, Galbraith Bros., Janesville, Wis.—Kate Erskine 2857.

Mare under 1 year—3 entries:
First premium, Joseph Moffatt, Paw Paw..... 60 00
Dove III. 2268.
Second premium, R. Holloway, Alexis..... 30 00
St. Cuthbert's Daisy 2863.

Lot 48—Grade Clydesdales.

Geldings and Mares having seventy-five per cent., or more, of Clydesdale blood.

GELDINGS.

Gelding 4 or over—1 entry—No competition or award.

Gelding 3 and under 4—No entry.

Gelding 2 and under 3—No entry.

Gelding 1 and under 2—No entry.

Gelding under 1—No entry.

MARES.

Mare 4 or over—1 entry—No competition or award.

Mare 3 and under 4—1 entry—No competition or award.

Mare 2 and under 3—3 entries:
First premium, Joseph Moffatt, Paw Paw $30 00
Second premium, R. Holloway, Alexis 15 00
Mollie Brown.
Third premium, R. Holloway, Alexis 10 00
Susie Brown.

Mare 1 and under 2 years—1 entry: No competition or award.

Mare under 1 year—3 entries:
First premium, R. Ogden & Son, Cameron 30 00
Venus.
Second premium, Joseph Moffatt, Paw Paw 15 00
Phœbe.
Third premium, R. Ogden & Son, Cameron 10 00
Primrose.

Lot 49—Grade Clydesdales.

Geldings and Mares sired by recorded Clydesdale stallions and out of mares having no Clydesdale blood.

GELDINGS.

Gelding 4 years old or over—1 entry: No competition or award.

Gelding 3 and under 4 years—No entry.

Gelding 2 and under 3 years—No entry.

Gelding 1 and under 2 years—No entry.

Gelding under 1 year—No entry.

MARES.

Mare 4 years old or over—3 entries: No award.

Mare 3 and under 4—1 entry: No competition or award.

Mare 2 and under 3—3 entries:
First premium, R. Ogden & Son, Cameron $30 00
Lucelle.
Second premium, R. Ogden & Son, Cameron 15 00
Polly Pointsman.
Third premium, Z. Lewis, Galesburg 10 00
Kate.

Mare 1 and under 2—2 entries: No award.

Mare under 1—1 entry: No competition or award.

Lot 51—Shire.

Prizes awarded at the first annual show of the American Shire Horse Association, held in connection with the Illinois State Fair, 1886.

STALLIONS.

Stallion 4 or over—8 entries:
First premium, Burgess Bros., Wenona $60 00
Masher (3218).
Second premium, Geo. E. Brown & Co., Aurora 30 00
Holland Major (3135).
Third premium, T. J. Patterson, Farm Ridge 15 00
Ben Lomond.

Stallion 3 and under 4—6 entries:
First premium, Galbraith Bros , Janesville, Wis 60 00
Blythe Ben (4239).
Second premium, Geo. E. Brown & Co., Aurora 30 00
Ringleader (3980).
Third premium, Burgess Bros., Wenona 15 00
Reveller (4647).

Stallion 2 and under 3—9 entries:
First premium, Galbraith Bros., Janesville, Wis 60 00
Nelson (4584).
Second premium, Burgess Bros, Wenona 30 00
Rampton (4638).
Third premium, Stericker Bros., Springfield 15 00
Eureka (4382).

Stallion 1 and under 2—3 entries:
First premium, Geo. E. Brown & Co., Aurora 60 00
Top Gallant.
Second premium, Burgess Bros. Wenona 30 00
King Joseph.
Third premium, J. B. Ayers & Son, Danvers 15 00
Burt.

Stallion under 1—2 entries:
First premium, Burgess Bros., Wenona 60 00
Good Enough.
Second premium, Melbourne Stock Farm 30 00

MARES.

Mare 4 or over—9 entries:
First premium, Burgess Bros., Wenona 60 00
Brown Dutchess.
Second premium, Geo. E. Brown & Co., Aurora 30 00
Rosaline.
Third premium, Wm. Moffatt & Bro., Paw Paw 15 00
March Beauty.

Mare 3 and under 4—4 entries:
First premium, Burgess Bros., Wenona 60 00
Lady Beaconsfield.
Second premium, Geo. E. Brown & Co., Aurora 30 00
Token.
Third premium, J. B. Ayers & Son, Danvers 15 00
Miss Collins.

Mare 2 and under 3—3 entries:
First premium, Burgess Bros., Wenona 60 00
Wenona Queen.
Second premium, Geo. E. Brown & Co., Aurora 30 00
Pauline.
Third premium, Geo. E. Brown & Co., Aurora 15 00
Zoe.

Mare 1 and under 2—3 entries:
First premium, Geo. E. Brown & Co., Aurora 60 00
Axtel.
Second premium, Melbourne Stock Farm, Washington 30 00
Queen.
Third premium, J. B. Ayers & Sons, Danvers 15 00
Victoria.

Mare under 1 year—3 entries:
First premium, Melbourne Stock Farm 60 00
Second premium, Geo. E. Brown & Co , Aurora 30 00
Third premium, J. B. Ayers & Sons, Danvers 15 00
Black Diamond.

SWEEPSTAKES.

Stallion any age—22 entries:
Premium, Galbraith Bros , Janesville, Wis ..... Gold Medal
Blythe Ben (4239).

Mare any age—10 entries:
Premium, Burgess Bros., Wenona ..... Silver Cup
Brown Dutchess.

BREEDING RINGS

Brood Mare, as shown by two of her colts, either sex, under four years old—6 entries:
Premium, J. B. Ayers & Sons, Danvers $100 00

Breeding Stallion, as shown by five of his colts, either sex, under four years old—No entry.

GRADE SHIRE.

Mare or Gelding any age—No entry.

Awarding Committee—Samuel Bell, Wooster, O.; Dr. Wm. Sheppard, Ottawa; W. E. Prichard, Ottawa.

CLASS C.—SHEEP.

D. W. VITTUM, JR., *Superintendent.*

LOT 52—COTSWOLDS.

RAMS.

Ram 2 or over—2 entries:
First premium, John Long, Waukegan $15 00
Second premium, Frank Wilson, Jackson, Mich 10 00
Gladstone.

Ram 1 and under 2—1 entry.
First premium, Mrs. Ann Newton, Pontiac, Mich 15 00

Ram under 1—3 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich 10 00
Second premium, Frank Willson, Jackson, Mich 5 00

EWES.

Ewe 2 or over—5 entries:
First premium, Frank Willson, Jackson, Mich 15 00
Second premium, Frank Willson, Jackson, Mich 10 00

Ewe 1 and under 2—1 entry.
First premium, Mrs. Ann Newton, Pontiac, Mich 15 00

Ewe under 1—3 entries:
First premium, Frank Willson, Jackson, Mich 10 00
Second premium, Frank Willson, Jackson, Mich 5 00

SWEEPSTAKES.

Ram any age—4 entries:
Premium, John Long, Waukegan 20 00

Ewe any age—4 entries:
Premium, Mrs. Ann Newton, Pontiac, Mich 20 00

Awarding Committee—Henry C. Kuch, Göselville; James Morrison, Waukegan H. T. Thompson, Chicago; M. F. Barbier, Chicago.

LOT 53—LEICESTER.

RAMS.

Ram 2 or over—3 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich $15 00
Second premium, D. C. Graham, Cameron 10 00
Unnamed; dropped March 7, 1879; bred by D. C. Graham, Cameron; sire, John Right; dam, Julia.

Ram 1 and under 2—4 entries:
First premium, D. C. Graham, Cameron $15 00
Unnamed; dropped March 18, 1885; bred by D. C. Graham, Cameron; sire, General Grant; dam, Old Peg
Second premium, John Long, Waukegan 10 00

Ram under 1—3 entries:
First premium, D. C Graham, Cameron 10 00
Unnamed; dropped May 6, 1886; bred by D. C. Graham, Cameron; sire, Young Grant; dam, Old Peg.
Second premium, Mrs. Ann Newton, Pontiac, Mich 5 00

EWES.

Ewe two or over—4 entries:
First premium, D. C. Graham, Cameron 15 00
Unnamed: dropped February 15, 1881; bred by D. C. Graham, Cameron; sire, Gen. Grant; dam, Old Peg.
Second premium, Mrs. Ann Newton, Pontiac, Mich 10 00

Ewe 1 and under 2—3 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich 15 00
Second premium, D. C. Graham, Cameron 10 00
Unnamed; dropped April 1, 1885; bred by D. C. Graham, Cameron; sire, Christy; dam, Nanny.

Ewe under 1—3 entries:
First premium, D. C. Graham, Cameron 10 00
Unnamed; dropped March 13, 1885; bred by D. C. Graham, Cameron; sire, John Right; dam, Old Peg.
Second premium, Mrs. Ann Newton, Pontiac, Mich. 5 00

SWEEPSTAKES.

Ram any age—3 entries.
Premium, Mrs. Ann Newton, Pontiac, Mich 20 00

Ewe any age—3 entries:
Premium, Mrs. Ann Newton, Pontiac, Mich 20 00

Awarding Committee—H. T. Thompson, Chicago; M. F. Barbier, Chicago; Henry C. Kuch, Gäselville; James Morrison, Waukegan.

Lot 54—Lincoln.

RAMS.

Ram 2 or over—3 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich $15 00
Second premium, D. C. Graham, Cameron 10 00
Unnamed; dropped February 9, 1881; bred by D. C. Graham, Cameron; sire, Proctor; dam, Jenny Lind.

Ram 1 and under 2—2 entries:
First premium, Mrs Ann Newton, Pontiac, Mich 15 00
Second premium, D. C. Graham, Cameron 10 00
Tom; dropped March 10, 1885; bred by D. C. Graham, Cameron; sire, Sir Brigham, Sr.; dam, Queen.

Ram under 1—3 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich 10 00
Second premium, D. C. Graham, Cameron 5 00
Unnamed; dropped April 2, 1886; bred by D. C. Graham, Cameron; sire, Sir Brigham, Sr., dam, Princess.

EWES.

Ewe 2 or over—3 entries:
First premium, D. C. Graham, Cameron 15 00
Unnamed; dropped February 26, 1881; bred by D. C. Graham, Cameron; sire, Sir Brigham, Sr.; dam, Dott.
Second premium, Mrs. Ann Newton, Pontiac 10 00

Ewe 1 and under 2—3 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich 15 00
Second premium, D. C Graham, Cameron 10 00
Unnamed; dropped March 24, 1885; bred by D. C. Graham, Cameron; sire, Grant; dam, Dott, Jr.

Ewe under 1—2 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich $10 00
Second premium, D. C. Graham, Cameron 5 00
Unnamed; dropped April 2, 1886; bred by D. C. Graham, Cameron; sire, Grant; dam, Dott.

SWEEPSTAKES

Ram any age—3 entries:
Premium, D. C. Graham, Cameron 20 00
Unnamed; dropped January 28, 1881; bred by D. C. Graham, Cameron; sire, Brigham; dam, Queen.

Ewe any age—3 entries:
Premium, D. C. Graham, Cameron 20 00
Unnamed; dropped April 3, 1881; bred by D. C. Graham, Cameron; sire, Pat Maloy; dam, Dott.

Awarding Committee—James Morrison, Waukegan; L. T. Bishop, Piper City; M. F. Barbier, Chicago; Henry C. Kuch, Geselville.

Lot 55—Long Wool—Sweepstakes.

Ram any age—6 entries:
Premium, Frank Willson, Jackson, Mich $20 00

Ewe any age—5 entries:
Premium, Frank Willson, Jackson, Mich 20 00

Ram and five ewes over 2 years old—2 entries:
Premium, D. C. Graham, Cameron 30 00
John Right; dropped March 7, 1879; bred by D. C. Graham, Cameron; sire, John Right; dam, Julia.

Ram with 5 of his get under 2 years old, either sex—3 entries:
Premium, Frank Willson, Jackson, Mich 30 00

Awarding Committee—Thos. Taylor, Waynesville; John Hudson, Moweaqua.

Lot 56—Southdowns.

RAMS.

Ram 2 or over—1 entry:
First premium, Mrs. Ann Newton, Pontiac, Mich $15 00

Ram 1 and under 2—1 entry:
First premium, Mrs. Ann Newton, Pontiac, Mich 15 00

Ram under 1—1 entry.
First premium, Mrs. Ann Newton, Pontiac, Mich 10 00

EWES.

Ewe 2 or over—1 entry:
First premium, Mrs. Ann Newton, Pontiac, Mich 15 00

Ewe 1 and under 2—1 entry:
First premium, Mrs. Ann Newton, Pontiac, Mich 15 00

Ewe under 1—1 entry:
First premium, Mrs. Ann Newton, Pontiac, Mich 10 00

SWEEPSTAKES.

Ram any age—1 entry:
Premium, Mrs. Ann Newton, Pontiac, Mich 20 00

Ewe any age—1 entry:
Premium, Mrs. Ann Newton, Pontiac, Mich 20 00

Judge—Wm. H. Watts, Ottawa.

Lot 57—Shropshire.

RAMS.

Ram 2 or over—6 entries:
First premium, Geo. Allen & Son. Archie..... $15 00
Canterbury Patentee 2d, 288; dropped April, 1883; bred by Geo. Allen & Son. Archie; sire, Perfection, 284; dam, Lady Canterbury, 311.
Second premium, S. H. Todd, Wakeman, O..... 10 00

Ram 1 and under 2—6 entries:
First premium, S. H. Todd, Wakeman, O..... 15 00
Second premium, Geo Allen & Son, Archie..... 10 00
Rubin; dropped March, 1885; bred by Geo. Allen & Son, Archie; sire, Canterbury Patentee 2d, 288; dam, Lady Perfection 2d, 271.

Ram under 1—6 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich..... 10 00
Second premium, Geo. Allen & Son, Archie..... 5 00
Lord Knightly 3d, 2467; dropped 1886; bred by Geo. Allen & Son, Archie; sire, Allsopp, 1776; dam, Lady Nightly 6th, 2550.

EWES.

Ewe 2 or over—8 entries:
First premium, Geo. Allen & Son, Archie..... 15 00
Lady Perfection, 275; dropped March, 1881; bred by Geo. Allen & Son, Archie; sire, Clinker, 322; dam, by Buckskin 2d.
Second premium, Geo. Allen & Son, Archie..... 10 00
Beauty 4th, 2480; dropped 1883; bred by Geo. Allen & Son, Archie; sire, Perfection 284; dam, Beauty 2d, 292.

Ewe 1 and under 2—8 entries:
First premium, S. H. Todd, Wakeman, O..... 15 00
Second premium, Mrs. Ann Newton, Pontiac, Mich..... 10 00

Ewe under 1—8 entries:
First premium, S. H. Todd, Wakeman. O..... 10 00
Second premium, S. H. Todd, Wakeman, O..... 5 00

SWEEPSTAKES.

Ram any age—7 entries:
Premium, S. H. Todd, Wakeman. O..... 20 00

Ewe any age—7 entries:
Premium, Mrs. Ann Newton, Pontiac, Mich..... 20 00

Awarding Committee.—Jas. F. Parker, Woodstock; Wm. Barter, Attila; M. F. Barbier, Chicago; Henry C. Kuch, Göselville.

Lot 58—Hampshire.

RAMS.

Ram 2 or over—3 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich..... $15 00
Second premium, Frank Willson, Jackson, Mich..... 10 00

Ram 1 and under 2—2 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich..... 15 00
Second premium, Mrs. Ann Newton, Pontiac, Mich..... 10 00

Ram under 1—2 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich..... 10 00
Second premium, Mrs. Ann Newton, Pontiac, Mich..... 5 00

EWES.

Ewe 2 or over—5 entries;
First premium, Mrs. Ann Newton, Pontiac, Mich..... 15 00
Second premium, Geo. Allen & Son, Archie..... 10 00
Lady Kelk; dropped February, 1883; bred by Sir John Kelk, Wilts, England; sire, Hampshire; dam, Hampshire.

Ewe 1 and under 2—2 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich..... 15 00
Second premium, Mrs. Ann Newton, Pontiac, Mich..... 10 00

Ewe under 1—2 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich..... $10 00
Second premium, Mrs. Ann Newton, Pontiac, Mich..... 5 00

SWEEPSTAKES.

Ram any age—2 entries:
Premium, Mrs. Ann Newton, Pontiac, Mich..... 20 00

Ewe any age—4 entries:
Premium, Mrs. Ann Newton, Pontiac, Mich..... 20 00

Awarding Committee.—M F. Barbier, Chicago; Henry C. Kuch, Göselville; Wm. H. Watts, Ottawa.

Lot 59—Oxford.

RAMS.

Ram 2 or over—4 entries:
First premium, J. E Powis, Wayne..... $15 00
Second premium, Stone & Loake, Stonington..... 10 00

Ram 1 and under 2—6 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich..... 15 00
Second premium, Stone & Loake, Stonington..... 10 00

Ram under 1—5 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich..... 10 00
Second premium, J. E. Powis, Wayne..... 5 00

EWES.

Ewe 2 or over—16 entries:
First premium, Stone & Loake, Stonington..... 15 00
Second premium, Geo. Allen & Son, Archie..... 10 00
Sally; dropped 1881; bred by John Treadwell, England; sire, Oxford; dam, Oxford.

Ewe 1 and under 2—14 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich..... 15 00
Second premium, Stone & Loake, Stonington..... 10 00

Ewe under 1—14 entries:
First premium, Mrs. Ann Newton, Pontiac, Mich.....
Second premium, Stone & Loake, Stonington..... 5 00

SWEEPSTAKES.

Ram any age—7 entries:
Premium, Stone & Loake, Stonington..... 20 00

Ewe any age—9 entries:
Premium, Geo. Allen & Son, Archie..... 20 00
Sally.

Awarding Committee—H. D. Burch, Morrison; Wm. H. Watts, Ottawa; Henry C. Kuch, Göselville.

Lot 60—Middle Wool—Sweepstakes.

Ram any age—13 entries:
Premium, Mrs Ann Newton, Pontiac, Mich..... $20 00

Ewe any age—14 entries:
Premium, Mrs. Ann Newton, Pontiac, Mich..... 20 00

Ram and five Ewes over 2 years old—6 entries:
Premium, Geo. Allen & Son, Archie..... 30 00
Canterbury Patentee 2d 288.

Ram with five of his get under 2 years old, either sex—5 entries:
Premium, Geo. Allen & Son, Archie..... 30 00
Canterbury Patentee 2d

Awarding Committee—R. Hawkey, Harlem; Geo Elliott, Harristown.

Lot 61—American Merino.

RAMS.

Ram 2 or over—12 entries:
First premium, E. Peck & Sons, Geneva..... $15 00
Stickney 360; dropped 1881; bred by J. T. Stickney, Shoreham, Vt.; sire, 311; dam, 225.
Second premium, A A. Wood, Saline, Mich..... 10 00

Ram 1 and under 2—7 entries:
First premium, A. A. Wood, Saline, Mich..... 15 00
Second premium, L. E. Mahan, Champaign..... 10 00

Ram under 1—9 entries:
First premium, L. E. Mahan, Champaign..... 10 00
Second premium, A. A. Wood, Saline, Mich..... 5 00

EWES.

Ewe 2 or over—16 entries:
First premium, E. Peck & Sons, Geneva..... 15 00
Young Long Wool 572; dropped 1883; bred by E. Peck & Sons, Geneva; sire, Rich, Jr. 405; dam, Long Wool 38
Second premium, R. H. Mills, Palmyra, Wis..... 10 00
No. 202; dropped April, 1883; bred by R. H. Mills, Palmyra, Wis.; sire, Norton Wrinkley 161; dam 122.

Ewe 1 and under 2—11 entries:
First premium, A. A. Wood, Saline, Mich..... 15 00
Second premium, L. E. Mahan, Chau paign..... 10 00

Ewe under 1—9 entries:
First premium, A. A. Wood, Saline, Mich..... 10 00
Second premium, A. A. Wood, Saline, Mich..... 5 00

SWEEPSTAKES.

Ram any age—7 entries:
Premium, E. Peck & Sons, Geneva..... 20 00
Stickney 465; dropped 1883; bred by J. T. Stickney, Shoreham, Vt.; sire, Rip Van Winkle 535; dam 26.

Ewe any age—6 entries:
Premium, A. A. Wood, Saline, Mich..... 20 00

Awarding Committee—Daniel Kelley, Wheaton; H. T. Thompson, Chicago; E. K. Lester, Holcomb; Seymour Brooks, East Troy, Wis.

Lot 62—French, Silesian and Saxony Merino.

RAMS.

Ram 2 or over—1 entry—No award.

Ram 1 and under 2—No entry.

Ram under 1—No entry.

EWES.

Ewe 2 or over—No entry.

Ewe 1 and under 2—No entry.

Ewe under 1—No entry.

SWEEPSTAKES.

Ram any age—1 entry—No award.

Ewe any age—No entry.

Lot 63—Fine Wool—Sweepstakes.

Ram any age—8 entries:
Premium, E. Peck & Sons, Geneva..... $20 00
Stickney 465.

Fwe any age—7 entries:
Premium, A. A. Wood, Saline, Mich..... $20 00

Ram and five Ewes over 2 years old—5 entries:
Premium, R. H. Mills, Palmyra, Wis..... 30 00
Modoc 170; dropped April 1884; bred by R. H. Mills, Palmyra, Wis.; sire, Modoc 13; dam, 125.

Ram with 5 of his get, under 2 years old, of either sex—3 entries:
Premium, L. E. Mahan, Champaign..... 30 00

Judge—Wm. J. Iliff, Washburn.

Lot 64—Flocks—Grand Sweepstakes.

Display of breeding sheep, of any breed, not less than 8 animals, exhibited by a resident of this State—5 entries:
First premium, E. Peck & Sons, Geneva.....$100 00
Second premium, George Allen & Son, Archie..... 50 00

Awarding Committee—L. E. Mahan, Champaign; John Long, Waukegan; S. H. Todd, Wakeman, O.

Lot 65.—Sheep Breeders' Prizes.

LONG WOOLS.

Pen of 12 Pure Bred Sheep Sheep—1 entry: No award.

MIDDLE WOOLS.

Pen of 12 Pure Bred Sheep—2 entries: No award.

FINE WOOLS.

Pen of 16 Pure Bred Sheep—No entry.

CLASS D—SWINE.

E. B. DAVID, *Superintendent.*

Lot 66—Berkshire.

BOARS.

Boar 2 or over—4 entries:
First premium, L. W. Hamilton, Sandusky, Ind..... $20 00
Hero 3315; farrowed April 10, 1884; bred by A. S. Gilmour & Co., Greensburg, Ind.; sire, Bella Donna's Prince 3629; dam, Madam Langtry 10742.
Second premium, A. Rankin & Son, Gerlaw..... 10 00
McAlister 15835; farrowed March 1, 1884; bred by L. E. Shattuck, Stansbury, Mo.; sire, Lord Hampton 2069; dam, Romford VI, 9116.

Boar 1 and under 2—3 entries:
First premium, N. H. Gentry, Sedalia Mo..... 20 00
Ruby's Duke II 15863; farrowed July 19, 1885; bred by N. H. Gentry, Sedalia, Mo.; sire, Charmer's Duke; dam, Ruby VII, 11941.
Second premium; A. S. Gilmour & Co., Greensburg, Ind..... 10 00

Boar under 1—2 entries:
First premium, A. S. Gilmour & Co., Greensburg, Ind..... 15 00
Second premium, A. S. Gilmour & Co., Greensburg, Ind..... 10 00

SOWS.

Sow, 2 or over—7 entries:
First premium, N. H. Gentry, Sedalia, Mo..... 20 00
Charmer I, 13040; farrowed March 3, 1883; bred by J. G. Snell & Bro., Edmonton, Ont.; sire, Sterling Value 4691; dam, Royal Charmer, 9082.
Second premium, A. Rankin & Son, Gerlaw..... 10 00
Camilla, 11735; farrowed April 5, 1883; bred by Gideon Blackstone, Red Oak, Ia.; sire British Oak, 4561; dam, Miss Prima Donna 9138.

Sow 1 and under 2—11 entries:
First premium, N. H. Gentry, Sedalia, Mo..... $20 00
Isabella II, 15769; farrowed August 8, 1885; bred by N. H. Gentry, Sedalia, Mo.; sire, Charmer's Duke 13360; dam, Isabella 13259.
Second premium, N. H. Gentry, Sedalia, Mo..... 10 00
Ruby VIII, 15864; farrowed July 29, 1885; bred by N. H. Gentry, Sedalia, Mo.; sire, Charmer's Duke, 13360; dam, Ruby VII, 11941.

Sow under 1—5 entries:
First premium, A. S. Gilmour & Co., Greensburg, Ind..... 15 00
Second premium, N. H. Gentry, Sedalia, Mo..... 10 00
Duchess, VIII, 15867; farrowed January 26, 1886; bred by N. H. Gentry, Sedalia, Mo.; sire, Duke of Monmouth, 11361; dam, Duchess XII, 9846.

BREEDERS' RING.

Sow with litter of her own pigs, not less than five, under 6 months old—1 entry:
Premium, A. S. Gilmour & Co., Greensburg, Ind..... 20 00

Pen of Breeding Hogs—1 Boar and 4 Sows, over 1 year old—3 entries:
Premium, A. Rankin & Son, Gerlaw..... 25 00

Boar and five of his get, 1 entry—No award.

Awarding Committee.—John Swansey, Ridott; G. W. Stoner, La Place; W. Stead, Niles Centre.

Lot 67—Berkshire—Sweepstakes.

Boar any age—6 entries:
Premium, L W. Hamilton, Sandusky, Ind..... $20 00
Hero, 13315.

Sow any age—14 entries:
Premium, N. H. Gentry, Sedalia, Mo..... 20 00
Charmer 1st, 13040.

Judge.—W. C. Norton, Aldenville, Pa.

Lot 68—Poland-China.

BOARS.

Boar 2 or over—7 entries:
First premium, E. E. Elliott, Knightstown, Ind..... $20 00
Second premium, L. W. Hamilton, Sandusky, Ind..... 10 00
Fred Douglas.

Boar 1 and under 2—6 entries:
First premium, A. S. Gilmour & Co., Greensburg, Ind..... 20 00
Second premium, Clow Bros., East Wheatland..... 10 00
Corwin Prince, 4296; farrowed October 15, 1884; bred by A. S. Gilmour, Greensburg, Ind.; sire, King Corwin, 1361; dam, Lady King 2674.

Boar under 1—15 entries:
First premium, John Coffman & Bro., Danvers..... 15 00
Comet.
Second premium, L. W. Hamilton, Sandusky, Ind..... 10 00
Timer.

SOWS.

Sow 2 or over—9 entries:
First premium, E. E. Elliott, Knightstown, Ind..... 20 00
Second premium, J. E. Hall, Valparaiso, Ind.....
Black Beauty 2d, 5992; farrowed June 4, 1884; bred by J. E. Hall, Valparaiso, Ind.; sire, M's Hoosier Tom 2245; dam, Black Beauty 19th, 5082.

Sow 1 and under 2—17 entries:
First premium, Clow Bros;, East Wheatland..... 20 00
Hamilton's Bessie, 14984; farrowed October 20, 1884; bred by L. W. Hamilton, Sandusky, Ind.; sire, Burt (2561); dam, Clara Morris (5302).
Second premium, J. W. Lock, Remington, Ind..... 10 00
Moorish Maid 7th, 24516; farrowed July 1, 1885; bred by Lock & Snyder, Remington, Ind.; sire, Sears' Corwin 10049; dam, Moorish Maid 3828.

Sow, under 1—17 entries:
First premium, H. J. Nash, Urbana..... $15 00
Greenwood 6th; farrowed September 15, 1885; bred by H. J. Nash, Urbana; sire, Major N. 3079; dam, Greenwood (3136.)
Second premium, Clow Bros., East Wheatland..... 10 00
Louan; farrowed March 3, 1886; bred by J. W. Coffman, Danvers; sire, King Corwin, 1361; dam, Lotta 4th, 9226.

BREEDERS' RING.

Sow, with litter of her own pigs, not less than five, under 6 months old—1 entry:
Premium, L. W. Hamilton, Sandusky, Ind..... 20 00
Beauty H, 26486; farrowed October 9, 1883; bred by James Mustard, Broad Ripple, Ind.; sire, Give or Take 1585; dam, Lady Hilton, 13362.
Pen of Breeding Hogs—1 Boar and 4 Sows over 1 year old—4 entries:
Premium, E. E. Elliott, Knightstown, Ind..... 25 00

Boar and five of his get—4 entries:
Premium, H. J. Nash, Urbana..... 20 00
Major N. (3079); farrowed April 28, 1884: bred by W. C. Williams & Co., Knightstown, Ind.; sire, None Such, 4838; dam Twilight, 2589.

Awarding Committee—John Swanzey, Ridott; W. Stead, Niles Center; David A. Watts, Sumner.

Lot 69—Poland-China—Sweepstakes.

Boar any age—17 entries:
Premium, A. S. Gilmour & Co., Greensburg, Ind..... $20 00

Sow any age—23 entries:
Premium, Clow Bros., East Wheatland..... 20 00
Hamilon's Bessie, 14984.

Awarding Committee—J. F. Clark, Gilmer; James Hope, Herscher; Wm. H. Johnson, Fairbury.

Lot 70—Victoria.

BOARS.

Boar 2 or over—2 entries:
First premium, Stone & Loake, Stonington $20 00
Lord Wilton.
Second premium, George F. Davis & Co , Dyer, Ind..... $10 00
Dandy; farrowed August, 1884; bred by George F. Davis & Co., Dyer, Ind.; sire, Victoria; dam, Victoria.

Boar 1 and under 2—2 entries:
First premium, George F. Davis & Co., Dyer, Ind..... 20 00
Billy; farrowed July, 1885; bred by George F. Davis & Co., Dyer, Ind.; sire, Victoria; dam, Victoria.
Second premium J. R. Brabazon, Delavan, Wis..... 10 00
Jumbo; farrowed March 17, 1885; bred by J. R. Brabazon, Wis.; sire, Billy Jeff; dam, Moss Rose.

Boar under 1—5 entries:
First premium, George F. Davis & Co., Dyer, Ind..... 15 00
Bouncer; farrowed April, 1886; bred by George F. Davis & Co., Dyer, Ind.; sire, Victoria; dam, Victoria.
Second premium, Stone & Loake, Stonington..... 10 00
Lord Wilton 2d.

SOWS.

Sow 2 or over—2 entries:
First premium, George F. Davis & Co., Dyer, Ind..... 20 00
Handsome; farrowed November, 1882; bred by Scheidt & Davis, Dyer, Ind; sire, Victoria; dam, Victoria.
Second premium, George F. Davis & Co., Dyer, Ind..... 10 00
Polly White; farrowed April, 1882; bred by Scheidt & Davis, Dyer, Ind; sire, Victoria; dam, Victoria.

Sow 1 and under 2—7 entries:
First premium, Geo. F. Davis & Co., Dyer, Ind..... 20 00
Rosewood; farrowed July, 1885; bred by Geo. F. Davis & Co., Dyer, Ind.; sire, Victoria; dam, Victoria.
Second premium, Stone & Loake, Stonington..... 10 00
Queen 4th.

Sow under 1—6 entries:
First premium, Stone & Loake, Stonington $15 00
Second premium, J. R. Brabazon, Delavan, Wis 10 00
Useful; farrowed April 26, 1886; bred by J. R. Brabazon, Delavan, Wis.; sire, Jumbo; dam, Lucy.

BREEDERS' RING.

Sow with litter of pigs, not less than 5, under 6 months old—3 entries:
First premium, Geo. F. Davis & Co., Dyer, Ind 20 00
Handsome.
Second premium, J. R. Brabazon, Delavan, Wis 10 00
Lucy; farrowed October 25, 1883; bred by J. R. Brabazon, Delavan, Wis.; sire, Gen. Groat's Butterfly; dam, Imperial.

Pen of breeding hogs, 1 Boar and 4 Sows—3 entries:
Premium, Stone & Loake, Stonington 25 00
Lord Wilton.

Boar with 5 of his get—4 entries:
Premium, Stone & Loake, Stonington 20 00
Lord Wilton.

Awarding Committee—James H. Lee, Hersher; Patrick Shea, Oak Park.

Lot 71—Victoria—Sweepstakes.

Boar any age—4 entries:
Premium, J. R. Brabazon, Delavan, Wis $20 00
Jumbo.

Sow any age—7 entries:
Premium, Stone & Loake, Stonington 20 00
Queen 4th.

Judge—D. Bartholomew, Batavia.

Lot 72—Chester White.

BOARS.

Boar 2 or over—3 entries:
First premium, C. W. Baker, Mansfield, O $20 00
Banker 5; farrowed February 28, 1884; bred by S. H. Todd, Wakeman, O.; sire, Grant 2, 143; dam, Sallie E 3d, 648.
Second premium, J. H. Eaton, Bucyrus, O 10 00

Boar 1 and under 2—3 entries:
First premium, J. H. Eaton, Bucyrus, O 20 00
Second premium, T. B. Evans, Geneva 10 00
Earl of Batavia, 2739; farrowed September 15, 1884; bred by T. B. Evans, Geneva; sire, Gen. Grant, 2730; dam, Lady Boston, 3576.

Boar under 1—6 entries:
First premium, C. W. Baker, Mansfield, O 15 00
Carl; farrowed November 8, 1885; bred by S. H. Todd, Wakeman, O.; sire, Grant 2d, 143; dam, Wakeman Bell 4th, 740.
Second premium, J. H. Eaton, Bucyrus, O 10 00

SOWS.

Sow 2 or over—4 entries:
First premium, C W. Baker, Mansfield, O 20 00
Fanny Fern, 154; farrowed May 20, 1884; bred by O. H. Welch, Wakeman, O.; sire, Jumbo, 189; dam, Lady Rose 2d, 390.
Second premium, J. H. Eaton, Bucyrus, O 10 00

Sow 1 and under 2—7 entries:
First premium, C. W. Baker, Mansfield, O 20 00
Rose; farrowed June 24, 1885; bred by S. H. Todd, Wakeman, O.; sire, Grant 4th, 557; dam, Chester White.

Second premium, C. W. Baker, Mansfield, O 10 00
Bess; farrowed June 24, 1885; bred by S. H. Todd, Wakeman, O.; sire, Grant 4th, 557; dam, Chester White.

Sow under 1—5 entries:
First premium, C. W. Baker, Mansfield, O. $15 00
Gem 982; farrowed October 6, 1885; bred by S. H. Todd, Wakeman, O.; sire, Grant 4th, 557; dam Wakeman Belle 4th, 738.
Second premium, J. H. Eaton, Bucyrus, O. 10 00

BREEDERS' RING.

Sow with litter of pigs, not less than 5, under 6 months old—5 entries:
First premium, J. H. Eaton, Bucyrus, O 20 00
Second premium, C. W. Baker, Mansfield, O. 10 00
Lady Todd, 414; farrowed April 3, 1884; bred by S. H. Todd, Wakeman, O.; sire, Short-Nose, 323; dam, Lady La Porte 4th, 328.

Pen of breeding hogs, 1 Boar and 4 Sows—3 entries:
Premium, C. W. Baker, Mansfield, O 25 00
Banker 5.

Boar with 5 of his get—2 entries:
Premium, T. B. Evans. Geneva 20 00
Gen. Grant 2733; farrowed April 13, 1883; bred by L. B. Silver, Cleveland, O.; sire, Chester White; dam, Chester White.

Awarding Committee—I. F. Palmer, York Mills; Patrick Shea, Oak Park; Thomas Kelly, Brighton Park.

Lot 73—Chester White—Sweepstakes.

Boar any age—4 entries;
Premium, J. H. Eaton, Bucyrus, O 20 00

Sow any age—6 entries:
Premium, T. B. Evans, Geneva 20 00
Lady Logan 2d 3578; farrowed March 12, 1884; bred by T. B. Evans, Geneva; sire, Gen. Grant 2733; dam, Lady Logan 3580.

Awarding Committee—Wm, H. Johnson, Fairbury; Charles Vaughn, Lomax; G. W. Stoner, La Place.

Lot 74—Essex.

BOARS.

Boar 2 or over—2 entries:
First premium, Frank Willson, Jackson, Mich. 20 00

Boar 1 and under 2—4 entries:
First premium, W. J. Neeley, Ottawa 20 00
Falstaff.
Second premium, Frank Willson, Jackson, Mich 10 00

Boar under 1—5 entries:
First premium, Frank Willson, Jackson, Mich. 15 00
Second premium, A. S. Gilmour & Co., Greensburg, Ind 10 00

SOWS.

Sow 2 or over—3 entries:
First premium, Frank Willson, Jackson, Mich. 20 00
Second premium, Frank Willson, Jackson, Mich 10 00

Sow 1 and under 2—4 entries:
First premium, Frank Willson, Jackson, Mich. 20 00
Second premium, W. J. Neeley, Ottawa 10 00
No. 4.

Sow under 1—5 entries:
First premium, A. S. Gilmour & Co., Greensburg, Ind. 15 00
Second premium, Frank Willson, Jackson, Mich. 10 00

BREEDERS' RING.

Sow with litter of pigs, not less than five, under 6 months old—3 entries:
First premium, Frank Willson, Jackson, Mich. 20 00
Second premium, Frank Willson, Jackson, Mich 10 00

Pen of breeding hogs, 1 Boar and 4 Sows—2 entries:
Premium, Frank Willson, Jackson, Mich 25 00

Boar with five of his get—2 entries:
Premium, Frank Willson, Jackson, Mich..... $20 00

Awarding Committee—James H. Lee, Hersher; Thomas Kelly, Brighton Park, Patrick Shea, Oak Park.

Lot 75—Essex—Sweepstakes.

Boar any age—5 entries:
Premium, Frank Willson, Jackson, Mich..... 20 00

Sow any age—5 entries:
Premium, Frank Willson, Jackson, Mich..... 20 00

Awarding Committee—Charles Vaughn, Lomax; Wm. H. Johnson, Fairbury; G. W. Stoner, La Place.

Lot 76—Small Yorkshire and Suffolk Boars.

Boar 2 or over—4 entries:
First premium, W. C. Norton, Agent, Aldenville, Pa..... $20 00
Lord Tilton (104); farrowed September 23, 1882; bred by Benjamin Watson, Canada; sire, Dick Turpin 100; dam, Lady Tilton III. (215).
Second premium, Frank Willson, Jackson, Mich..... 10 00

Boar 1 and under 2—3 entries:
First premium, Frank Willson, Jackson, Mich..... 20 00
Second premium, W. C. Norton, Agent, Aldenville, Pa..... 10 00
Young Swell; farrowed September 2, 1885; bred by W. C. Norton, agent, Aldenville, Pa.; sire, The Swell (246); dam, Queen Vara (462).

Boar under 1—6 entries:
First premium, W. C. Norton, Agent, Aldenville, Pa..... 15 00
Tilton Boy; farrowed October 12, 1885; bred by W. C. Norton, Agent, Aldenville, Pa.; sire, Lord Tilton (104); dam, Judy III. (546).
Second premium, Frank Willson Jackson, Mich..... 10 00

SOWS.

Sow 2 or over—4 entries:
First premium, W. C. Norton, Agent, Aldenville, Pa..... 20 00
Judy (299); farrowed October 12, 1882; bred by W. C. Norton, Agent, Aldenville, Pa.; sire, Duke of York X , 128; dam, Queen Bess III. 66.
Second premium, Frank Willson, Jackson, Mich..... 10 00

Sow 1 and under 2—4 entries:
First premium, W. C. Norton, Agent, Aldenville, Pa..... 20 00
Tessie Tilton; farrowed August 12, 1885; bred by W. C. Norton, Agent, Aldenville, Pa.; sire, Lord Tilton (104); dam, Tessie)426).
Second premium, Frank Willson, Jackson, Mich..... 10 00

Sow, under 1—6 entries:
First premium, Frank Willson, Jackson, Mich..... 15 00
Second premium, W. C. Norton, Agent, Aldenville, Pa..... 10 00
Judy Tilton II; farrowed October 12, 1885; bred by W. C. Norton, Agent, Aldenville, Pa.; sire, Lord Tilton (104): dam, Judy III (546).

BREEDERS' RING.

Sow, with litter of pigs, not less than 5, under 6 months old—3 entries:
First premium, W. C. Norton, Agent, Aldenville, Pa..... $20 00
Queen Bess VI, 269; farrowed October 14, 1880; bred by W. C. Norton, Agent, Aldenville, Pa.; sire, Duke of York II, 19; dam, Queen Bess II.
Second premium, Frank Willson, Jackson, Mich 10 00

Pen of Breeding Hogs, 1 Boar and 4 Sows —2 entries:
Premium, W. C. Norton, Agent, Aldenville, Pa..... 25 00

Boar with five of his get—3 entries:
Premium, W, C. Norton, Agent, Aldenville, Pa..... 20 00
Lord Tilton (104).

Awarding Committee.—Thos. Kelly, Brighton Park; Patrick Shea, Oak Park; D. F. Palmer, Yorkville.

Lot 77—Small Yorkshire and Suffolk—Sweepstakes.

Boar any age—5 entries:
Premium, W. C. Norton, Agent, Aldenville, Pa $20 00
Lord Tilton (104).

Sow any age—6 entries:
Premium, W. C. Norton, Agent, Aldenville, Pa 20 00
Tessie Tilton.

Awarding Committee.—Wm. A. Johnson, Fairbury; Chas. Vaughn, Lomax; Patrick Shea, Oak Park.

Lot 77—Duroc Jersey Red.

BOARS.

Boar 2 or over—2 entries:
First premium, A. Rankin & Son, Gerlaw $20 00
Tennyson, 875; farrowed April 10, 1884; bred by Thos. Bennett, Rossville; sire, Romulus 127; dam, Martha Washington 720.
Second premium, C. W. Stoner, La Place 10 00
Lord Bacon; farrowed April 12, 1884; bred by G. W. Stoner, La Place; sire, Breckenridge 387; dam, Maladetta 242.

Boar 1 and under 2—2 entries:
First premium, G. W. Stoner, La Place 20 00
Breadwinner, 1195; farrowed September 6, 1885; bred by G. W. Stoner, La Place; sire, King Richard, 981; dam, Laura Miller, 2812.
Second premium, H N. Maxham, Ivanhoe 10 00
Ivan, 1071; farrowed April 15, 1885; bred by Sam Taylor, Pleasant Corners, O.; sire, Excelsior, 139; dam, Mollie Golddust, 672.

Boar under 1—3 entries:
First premium, A. Rankin & Son, Gerlaw 15 00
Royal Duke; farrowed April 12, 1886; bred by A. Rankin & Son, Gerlaw; sire, Rosamond's Royal, 723; dam, Lady Reel's Choice, 2734.
Second premium, G. W. Stoner, La Place 10 00
Freelover; farrowed April 27, 1886; bred by G. W. Stover, La Place; sire, Breckenridge, 387; dam, Gladys 2d, 2822.

SOWS.

Sow 2 or over—3 entries:
First premium, G. W. Stoner, La Place 20 00
Lou Edna 2d, 2824; farrowed May 13, 1884; bred by G. W. Stoner, La Place; sire, Breckenridge 387; dam, Lou Edna, 226.
Second premium, A. Rankin & Son, Gerlaw 10 00
Alice W. 3d, 2642.

Sow 1 and under 2—7 entries:
First premium, A. Rankin & Son, Gerlaw 20 00
Little Gem; farrowed April, 1885; bred by A. Rankin & Son, Gerlaw; sire, Sir William 437; dam, Betty Gem, 3020.
Second premium, G. W. Stoner, La Place 10 00
Crimson Queen, 3584; farrowed June 15, 1885; bred by G. W. Stoner, La Place; sire, Breckenridge, 387; dam, Queen of Roses 224.

Sow under 1—5 entries:
First premium, H. N. Maxham, Ivanhoe 15 00
Clark's Model, 3026; farrowed March 4, 1886; bred by J. T. Clark, Clinton, Mich.; sire, Gold Coast II, 603; dam, Cherub III, 118.
Second premium, G. W. Stoner, La Place 10 00
Lou Regina; farrowed February 21, 1886; bred by G. W. Stoner, La Place; sire, Royal Regent, 1141; dam, Lou Edna 2d, 2824.

BREEDERS' RING.

Sow with litter of pigs, not less than 5, under 6 months old—No entry.

Pen of Breeding Hogs—1 Boar and 4 Sows—1 entry:
Premium, G. W. Stoner, La Place 25 00

Boar with five of his get—1 entry:
Premium, A. Rankin & Son, Gerlaw 20 00
Tennyson, 875.

Awarding Committee.—Thos. Kelly, Brighton Park; Patrick Shea, Oak Park; James H. Lee, Hersher.

Lot 79—Duroc Jersey Red—Sweepstakes.

Boar any age—6 entries:
Premium, G. W. Stoner, La Place $20 00
Breadwinner, 1195.

Sow any age—6 entries:
Premium, A. Rankin & Son, Gerlaw 20 00
Little Gem.

Awarding Committee.—S. H. Todd, Wakeman, O.; Wm. H. Johnson, Fairbury; Charles Vaughn, Lomax.

Lot 80—Swine Breeders' Prizes—No Entry.

CLASS E—POULTRY.

JOHN GRIFFITH, *Superintendent.*

Lot 81—Asiatic.

Pair Light Brahmas, fowls—10 entries:
First premium, C. L. Benjamin, Big Rock $3 00
Second premium, J. B. Foote, Norwood Park 2 00

Pair Light Brahmas, chicks—12 entries:
First premium, J. B. Foote, Norwood Park 3 00
Second premium, Woodward & Sewell, Evanston 2 00

Pair Dark Brahmas, fowls—6 entries:
First premium, S. E. Wurst, Elyria, O 3 00
Second premium, J R. Brabazon, Delavan, Wis 2 00

Pair Dark Brahmas, chicks—5 entries:
First premium, Chas. Palmquist, Knoxville 3 00
Second premium, J. R. Brabazon, Delavan, Wis 2 00

Pair Buff Cochins, fowls—9 entries:
First premium, J. B. Foote, Norwood Park 3 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair Buff Cochins, chicks—8 entries:
First premium, J. B. Foote, Norwood Park 3 00
Second premium, J. B. Foote, Norwood Park 2 00

Pair Partridge Cochins, fowls—12 entries:
First premium, R. R. Bourland, Peoria 3 00
Second premium, Harrison Brown, Normal Park 2 00

Pair Partridge Cochins, chicks—14 entries:
First premium, Robt. Coates, Norwood Park 3 00
Second premium, R. R. Bourland, Peoria 2 00

Pair White Cochins, fowls—5 entries:
First premium, P. A. Bartlett, Jacksonville 3 00
Second premium, S E. Wurst, Elyria, O 2 00

Pair White Cochins, chicks—3 entries:
First premium, S. E Wurst, Elyria, O 3 00
Second premium, Chas. Palmquist, Knoxville 2 00

Pair Black Cochins, fowls—8 entries:
First premium, S. E. Wurst, Elyria, O 3 00
Second premium, Jas. D. Cass, Beloit, Wis 2 00

Pair Black Cochins, chicks—6 entries:
First premium, S. E. Wurst, Elyria, O 3 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair Pea-Comb Partridge Cochins, fowls—1 entry:
No award.

Pair Pea-Comb Partridge Oochins, chicks—No entry.

Display of Asiatic fowls or chicks—8 entries:
Premium, S. E. Wurst, Elyria, O 10 00

Judge—E. S. Comings, Rockford.

Lot 82—Dorking, Dominique and Plymouth Rock.

Pair Silver Gray, fowls—1 entry:
First premium, S. E. Wurst, Elyria, O $3 00

Pair Silver Gray, chicks—3 entries:
First premium, C. L. Benjamin, Rig Rock 3 00
Second premium, C. L. Benjamin, Big Rock 2 00

Pair White, fowls—1 entry:
First premium, S. E. Wurst, Elyria, O 3 00

Pair White, chicks—No entry.

Pair Colored, fowls—2 entries:
First premium, Chas. Palmquist, Knoxville 3 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair Colored, chicks—2 entries:
First premium, S. E. Wurst, Elyria, O 3 00
Second premium, Chas. Palmquist, Knoxville 2 00

Pair American Dominiques, fowls—3 entries:
First premium, J. R. Brabazon, Delavan, Wis 3 00

Pair American Dominiques, chicks—4 entries:
First premium, J. R. Brabazon, Delavan, Wis 3 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair Plymouth Rocks, fowls—11 entries:
First premium, J. B. Foote, Norwood Park 3 00
Second premium, F. M. Munger, DeKalb 2 00

Pair Plymouth Rocks, chicks—12 entries:
First premium, F. M. Munger, DeKalb 3 00
Second premium, J. B. Foote, Delavan, Wis 2 00

Display of Dorking, Dominique and Plymouth Rocks, fowls or chicks—5 entries:
Premium, S. E. Wurst, Elyria, O 10 00

Judge—E. S. Comings, Rockford.

Lot 83—Spanish.

Pair Black Spanish (white face), fowls—4 entries:
First premium, J. R. Brabazon, Delavan, Wis 3 00
Second premium, P. A. Bartlett, Jacksonville 2 00

Pair Black Spanish (white face), chicks—5 entries:
First premium, S. E. Wurst, Elyria, O 3 00
Second premium, Chas. Palmquist, Knoxville 2 00

Pair White Leghorn, fowls—5 entries:
First premium, F. M. Munger, DeKalb 3 00
Second premium, Chas. Palmquist, Knoxville 2 00

Pair White Leghorn, chicks—6 entries:
First premium, S. E. Wurst, Elyria, O 3 00
Second premium, F. M. Munger, DeKalb 2 00

Pair Brown Leghorn, fowls—7 entries:
First premium, F. M. Munger, DeKalb 3 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair Brown Leghorn, chicks—6 entries:
First premium, P. A. Bartlett, Jacksonville 3 00
Second premium, F. M. Munger, DeKalb 2 00

Pair Dominique Leghorn, fowls—No entry.

Pair Dominique Leghorn, chicks—No entry.

Pair Black Leghorn, fowls—2 entries:
First premium, P. A. Bartlett, Jacksonville 3 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair Black Leghorn, chicks—3 entries:
First premium, S. E. Wurst, Elyria, O 3 00
Second premium, P. A. Bartlett, Jacksonville 2 00

Display of Spanish, fowls or chicks—5 entries:
Premium, S. E. Wurst, Elyria, O $10 00

Judge—A. H. Currier, Rockford.

Lot 84—Hamburg.

Pair Golden-Penciled fowls—3 entries:
First premium, S. E. Wurst, Elyria, O..... $3 00

Pair Golden-Penciled, chicks—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Silver-Penciled, fowls—2 entries:
First premium, P. A. Bartlett, Jacksonville..... 3 00
Second premium, S. E. Wurst, Elyria, O..... 2 00

Pair Silver-Penciled, chicks—2 entries:
First premium, S. E. Wurst, Elyria, O..... 3 00
Second premium, P. A. Bartlett, Jacksonville..... 2 00

Pair Golden-Spangled fowls—3 entries:
First premium, F. M. Munger, DeKalb..... 3 00
Second premium, P. A. Bartlett, Jacksonville..... 2 00

Pair Golden-Spangled, chicks—2 entries—No award.

Pair Silver-Spangled, fowls—5 entries:
First premium, J, R. Brabazon, Delavan, Wis..... 3 00
Second premium, J. R. Brabazon, Delavan, Wis..... 2 00

Pair Silver-Spangled, chicks—5 entries:
First premium, J, R. Brabazon. Delavan, Wis..... 3 00
Second premium, S. E. Wurst, Elyria, O..... 2 00

Pair Black, fowls—3 entries:
First premium, P. A. Bartlett, Jacksonville..... 3 00
Second premium, J. R. Brabazon, Delavan, Wis..... 2 00

Pair Black, chicks -3 entries:
First premium, P. A. Bartlett, Jacksonville..... 3 00
Second premium, J R. Brabazon, Delavan, Wis..... 2 00

Pair White, fowls—1 entry:
First premium, S. E. Wurst; Elyria, O..... 3 00

Pair White, chicks—No entry.

Judge—E. S. Comings, Rockford.

Lot 85—Polish.

Pair Golden-Spangled, fowls—3 entries:
First premium. S. E. Wurst, Elyria, O..... $3 00

Pair Golden-Spangled, chicks—2 entries:
Second premium, J. R. Brabazon, Delavan, Wis..... 2 00

Pair Silver-Spangled, fowls—2 entries:
First premium, P A. Bartlett, Jacksonville..... 3 00
Second premium, S. E. Wurst, Elyria, O..... 2 00

Pair Silver-Spangled, chicks - 3 entries:
First preminm, P. A. Bartlett, Jacksonville..... 3 00
Second premium, P. A. Bartlett, Jacksonville..... 2 00

Pair White-Crested Black, fowls—8 entries:
First premium, J. R. Brabazon, Delavan, Wis..... 3 00
Second premium, F. M. Munger, DeKalb..... 2 00

Pair White-Crested Black, chicks—5 entries:
First premium, J. R. Brabazon, Delavan, Wis..... 3 00
Second premium, J. R. Brabazon, Delavan, Wis..... 2 00

Pair Sultan, fowls—No entry.

Pair Sultan, chicks—No entry.

Pair White, fowls—3 entries:
First premium, S. E. Wurst, Elyria, O..... 3 00
Second premium, J. R. Brabazon, Delavan, Wis..... 2 00

Pair White, chicks—2 entries:
First premium, J. R. Brabazon, Delavan, Wis..... $3 00
Second premium, Charles Palmquist, Knoxville..... 2 00

Judge—E. S. Comings, Rockford.

Lot 86—French.

Pair Houdans, fowls—5 entries:
First premium, P. A. Bartlett, Jacksonville..... $3 00
Second premium, S. E. Wurst, Elyria, O..... 2 00

Pair Houdans, chicks—7 entries:
First premium, J. R. Brabazon, Delavan. Wis..... 3 00
Second premium, J. R. Brabazon, Delavan, Wis..... 2 00

Pair Creve-Cœur, fowls—2 entries:
First premium, S. E. Wurst, Elyria, O..... 3 00
Second premium, P. A. Bartlett, Jacksonville..... 2 00

Pair Creve-Cœur, chicks—2 entries:
First premium, S. E. Wurst, Elyria, O..... 3 00
Second premium, P. A. Bartlett, Jacksonville..... 2 00

Pair La Fleche, fowls—No entry.

Pair La Fleche, chicks—No entry.

Judge—E. S. Comings, Rockford.

Lot 87 Game.

Pair Black-breasted Red, fowls—4 entries.
First premium, S. E. Wurst, Elyria, O..... $3 00
Second premium, J. R. Brabazon, Delavan, Wis..... 2 00

Pair Black-breasted Red, chicks—3 entries:
First premium, S. E. Wurst. Elyria, O..... 3 00
Second premium, J. R. Brabazon, Delavan, Wis..... 2 00

Pair White, fowls—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair White, chicks—1 entry:
First premium. S. E. Wurst, Elyria, O..... 3 00

Pair Brown Red, fowls—2 entries:
First premium, S. E. Wurst, Elyria, O..... 3 00
Second premium, J. R. Brabazon, Delavan, Wis..... 2 00

Pair Brown Red, chicks—1 entry:
First premium, S. E. Wurst, Elyria, C..... 3 00

Pair Ginger Red, fowls—No entry.

Pair Ginger Red, chicks—No entry.

Pair Yellow Duck Wing, fowls -1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Yellow Duck Wing, chicks—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Gray, fowls—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Gray. chicks—No entry.

Pair Silver Duck Wing, fowls—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Silver Duck Wing, chicks—1 entry:
First premium, S. E. Wurst, Elyria, O,..... 3 00

Pair Spangled fowls—No entry.

Pair Spangled chicks—No entry.

Pair Pile, fowls—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Pile, chicks—No entry.
Pair White Pile, fowls—No entry.

Pair White Pile, chicks—1 entry;
First premium, S. E. Wurst, Elyria, O..... $3 00

Pair Black, fowls—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Black, chicks—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Blue, fowls—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Blue, chicks—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Judge.—E. S. Comings, Rockford.

Lot 88—Bantams.

Pair Sebright, fowls—3 entries:
First premium, J. R. Brabazon, Delavan..... $3 00
Second premium, S. E. Wurst, Elyria, O..... 2 00

Pair Sebright, chicks—2 entries:
First premium, C. L. Benjamin, Big Rock..... 3 00
Second premium, S. E. Wurst, Elyria, O..... 2 00

Pair Red Pile Game, fowls—1 entry:
First premium, P. A. Bartlett, Jacksonville..... 3 00

Pair Red Pile Game, chicks—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair White, fowls—2 entries:
Second premium, C. L. Benjamin, Big Rock..... 2 00

Pair White, chicks—4 entries:
First premium, Chas. Palmquist, Knoxville..... 3 00
Second premium, C. L. Benjamin, Big Rock..... 2 00

Pair Black, fowls—4 entries:
First premium, P. A. Bartlett, Jacksonville..... 3 00
Second premium, S. E. Wurst, Elyria, O..... 2 00

Pair Black, chicks—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Pekin or Cochin, fowls—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Pekin or Cochin, chicks—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Japan, fowls—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Japan, chicks—2 entries:
First premium, S. E. Wurst, Elyria, O..... 3 00
Second premium, S. E. Wurst, Elyria, O..... 2 00

Pair Black-Red Game, fowls—5 entries:
First premium, J. R. Brabazon, Delavan, Wis..... 3 00
Second premium, A. G. Adams, Tolono..... 2 00

Pair Black-Red Game, chicks—8 entries:
First premium, S. E. Wurst, Elyria, O..... 3 00
Second premium, J. R. Brabazon, Delavan, Wis..... 2 00

Pair Brown-breasted Game, fowls—3 entries—No award.

Pair Brown-breasted Game, chicks—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Duck Wing, fowls—2 entries:
First premium, P. A Bartlett, Jacksonville..... 3 00
Second premium, S. E. Wurst, Elyria, O..... 2 00

Pair Duck Wing, chicks—2 entries:
First premium, S. E. Wurst, Elyria, O..... 3 00
Second premium, S. E. Wurst, Elyria, O..... 2 00

Judge.—A. H. Currier, Rockford.

Lot 89—Miscellaneous.

Pair Frizzlies, fowls—2 entries:
First premium, Chas. Palmquist, Knoxville $3 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair Frizzlies, chicks—1 entry:
First premium, Chas. Palmquist, Knoxville 3 00

Pair Silkies, fowls—No entry.

Pair Silkies, chicks—No entry.

Pair Rumpless, fowls—No entry.

Pair Rumpless, chicks—No entry.

Pair Pea Fowls—6 entries:
First premium, C. L. Benjamin, Big Rock 3 00
Second premium, E. Peck & Sons, Geneva 2 00

Two Capons—3 entries:
First premium, S. E. Wurst, Elyria, O 3 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair Langshans, fowls—8 entries:
First premium, Woodward & Sewell, Evanston 3 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair Langshans, chicks—5 entries:
First premium, J. B. Foote, Norwood Park 3 00
Second premium, Woodward & Sewell, Evanston 2 00

Pair Wyandottes, fowls—9 entries:
First premium, Woodward & Sewell, Evanston 3 00
Secone premium, J. B. Foote, Norwood Park 2 00

Pair Wyandottes, chicks—17 entries:
First premium, James D. Cass, Beloit, Wis 3 00
Second premium, F. M. Munger, DeKalb 2 00

Judge.—E. S. Comings, Rockford.

Lot 90—Guineas.

Pair White, fowls—2 entries:
First premium, Jas. D Cass, Beloit, Wis $3 00
Second premium, Jas. D. Cass, Beloit, Wis 2 00

Pair White, chicks—No entry.

Pair Common, fowls—7 entries:
First premium, P. A. Bartlett, Jacksonville 3 00
Second premium, F. M. Munger, DeKalb 2 00

Pair Common, chicks—5 entries:
First premium, C. L. Benjamin, Big Rock 3 00
Second premium, James D. Cass, Beloit, Wis 2 00

Judge—A. H. Currier, Rockford.

Lot 91—Turkeys.

Pair Bronze, fowls—7 entries:
First premium, L. W. Hamilton, Sandusky, O $4 00
Second premium, Jas. D. Cass, Beloit, Wis 2 00

Pair Bronze, chicks—7 entries:
First premium, J. B. Foote, Norwood Park 4 00
Second premium, Jas. D. Cass, Beloit, Wis 2 00

Pair Black, fowls—2 entries:
First premium, Jas. D. Cass, Beloit, Wis 4 00
Second premium, J. R. Brabazon, Delavan, Wis 2 00

Pair Black, chicks—4 entries:
First premium, P. A. Bartlett, Jacksonville 4 00
Second premium, Jas. D. Cass, Beloit, Wis 2 00

Pair Slate, fowls—1 entry:
First premium, S. E. Wurst, Elyria, O 4 00

Pair Slate, chicks—No entry.

Pair Buff, fowls—No entry.

Pair Buff, chicks—No entry.

Pair Narragansett, fowls—No entry.

Pair Narragansett, chicks—No entry.

Pair White, fowls—3 entries:
First premium, J. R. Brabazon, Delavan, Wis $4 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair White, chicks—3 entries:
First premium, P. A. Bartlett, Jacksonville 4 00
Second premium, Jas. D. Cass, Beloit, Wis 2 00

Display Turkeys—5 entries:
Premium, Jas. D. Cass, Beloit, Wis 10 00

Judge—A. H. Currier, Rockford.

Lot 92—Ducks.

Pair Aylesbury—5 entries:
First premium, S. E. Wurst, Elyria, O $3 00
Second premium, J. R. Brabazon, Delavan, Wis 2 00

Pair Rouen—3 entries:
First premium, P. A. Bartlett, Jacksonville 3 00
Second premium, J. R. Brabazon, Delavan, Wis 2 00

Pair Cayuga—3 entries:
First premium, P. A. Bartlett, Jacksonville 3 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair White Muscovy—2 entries:
First premium, J. R. Brabazon, Delavan, Wis 3 00
Second premium, P. A. Bartlett, Jacksonville 2 00

Pair Colored Muscovy—2 entries:
First premium, P. A. Bartlett, Jacksonville 3 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair White Crested—3 entries:
First premium, J. R. Brabazon, Delavan, Wis 3 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair Pekin—11 entries:
First premium, J. R. Brabazon, Delavan, Wis 3 00
Second premium, J. B. Foote, Norwood Park 2 00

Pair Call—5 entries:
First premium, S. E. Wurst, Elyria, O 3 00
Second premium, P. A. Bartlett, Jacksonville 2 00

Pair East Indian or Labrador—No entry.

Display of Ducks—3 entries:
Premium, J. R. Brabazon, Delavan, Wis 10 00

Judge—A. H. Currier, Rockford.

Lot 93—Geese.

Pair Embden—3 entries:
First premium, P. A. Bartlett, Jacksonville $4 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair Toulouse—3 entries:
First premium, S. E. Wurst, Elyria, O 4 00
Second premium, P. A. Bartlett, Jacksonville 2 00

Pair White China—2 entries:
First premium, J. R. Brabazon, Delavan, Wis 4 00
Second premium, S. E. Wurst, Elyria, O 2 00

Pair Egyptian—No entry.

Pair African—2 entries
First premium, P. A. Bartlett, Jacksonville..... $4 00
Second premium, P. A. Bartlett, Jacksonville..... 2 00

Display of Geese—10 entries:
Premium, P. A. Bartlett, Jacksonville..... 10 00

Judge—A. H. Currier, Rockford.

Lot 94—Rabbits.

Pair Madagascar—1 entry:
First premium, S. E. Wurst, Elyria, O..... $3 00

Pair White Angoras—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Pair Fawn Angoras—No entry:

Pair Himalay—No entry.

Pair Dutch—No entry.

Pair Belgian Hares—No entry.

Pair English Rabbits—2 entries:
First premium, S. E. Wurst, Elyria, O..... 3 00
Second premium, S. E. Wurst, Elyria, O..... 2 00

Judge—A. H. Currier, Rockford.

Lot 95—Ferrets.

Pair English Ferrets—2 entries:
First premium, J. R. Brabazon, Delavan, Wis..... $3 00
Second premium, S. E. Wurst, Elyria, O..... 2 00

Pair American White Ferrets—1 entry:
First premium, S. E. Wurst, Elyria, O..... 3 00

Judge—A. H. Currier, Rockford.

Lot 96—Pigeons.

Display of Pigeons—3 entries:
First premium, S. E. Wurst, Elyria, O..... $10 00
Second premium, P. A. Bartlett, Jacksonville..... 5 00

Judge—A. H. Currier, Rockford.

CLASS F—MECHANIC ARTS.

J. C. VAUGHAN, *Superintendent.*

Lot 97—Stoves, Metal Work, Etc.

Scales (other than hay or cattle)—1 entry.
Premium, Chicago Scale Co., Chicago—Commendation.

Awarding Committee—S. W. Case, Chicago; T. Hobbs, Joliet.

Lot 98—Furniture, Desks, Etc.

New Invention in above class—2 entries:
Premium, The Woven Cord Furniture Co., Chicago ..... Silver Medal

Office Desks and Fittings—2 entries—No award.

Washing Machine—2 entries—No award.

Awarding Committee—S. W. Case, Chicago; T. Hobbs, Joliet.

Lot 99—Manufactures of Various Kinds.

New Design in Pottery—1 entry:
Premium, Mrs. Pauline Jacobus, Chicago.....S. M. and $10 00

General Display of New Designs in Household Decorative Ware, of Earthen, Porcelain or like material—1 entry:
Premium, Mrs. Pauline Jacobus, Chicago.....S. M. and 25 00

New Designs or Inventions in above class—1 entry:
No award.

Awarding Committee—W. S. Heffron, Washington Heights; F. A. Baller, Bloomington; Robert McNiel, Rock Falls.

Lot 100—Leather and Products of Same.

Lot 101—Sewing and Knitting Machines.

Lot 102—Mining Machinery.

CLASS G—FARM PRODUCTS.

JOSEPH SKEAVINGTON, *Superintendent.*

Lot 103—Grains and Seeds (By Amateurs).

White Winter Wheat—8 entries:
First premium, Robert Sheddon, Pingree Grove..... $10 00
Second premium, D. Woodman, Paw Paw, Mich..... 5 00

Red Winter Wheat—12 entries:
First premium, Frank Willson, Jackson, Mich..... 10 00
Second premium, Robert Sheddon, Pingree Grove..... 5 00

Spring Wheat—11 entries:
First premium, Robert Sheddon, Pingree Grove..... 10 00
Second premium, G. B. King, Dwight..... 5 00

Rye—13 entries:
First premium, D. Woodman, Paw Paw, Mich..... 5 00
Second premium, G. B. King, Dwight..... 3 00

White Oats—19 entries:
First premium, Orson Angell, Oshkosh, Wis..... 5 00
Second premium, James King, Chicago..... 3 00

Black Oats—9 entries:
First premium, James W. Wilson, Austin..... 5 00
Second premium, Robert Sheddon, Pingree Grove..... 3 00

Fall Barley—6 entries:
First premium, Robert Sheddon, Pingree Grove..... 5 00
Second premium, Frank Willson, Jackson, Mich..... 3 00

Spring Barley—13 entries:
First premium, D. Woodman, Paw Paw, Mich..... 5 00

Display of Grain in the Straw—7 entries:
Premium, D. Woodman, Paw Paw, Mich.....S. M. and 15 00

Buckwheat—6 entries:
First premium, Orson Angell, Oshkosh, Wis..... 5 00
Second premium, Robert Sheddon, Pingree Grove..... 2 00

Timothy Seed—6 entries:
First premium, E. E. Howe, Marengo..... 5 00
Second premium, Orson Angell, Oshkosh, Wis..... 2 00

Clover Seed—8 entries:
First premium, Willis Rendleman, Makanda..... 5 00
Second premium, T. W. Thompson, Makanda..... 2 00

Orchard-Grass Seed—4 entries:
First premium, E. E. Howe, Marengo..... $5 00
Second premium, E. E. Howe, Marengo..... 2 00

Flax Seed—5 entries:
First premium, Robert Sheddon, Pingree Grove..... 5 00
Second premium, G. B. Krug, Dwight..... 2 00

Red Top Grass Seed—4 entries:
First premium, Orson Angell, Oshkosh, Wis..... 5 00
Second premium, E. E. Howe, Marengo..... 2 00

Display of Forage Grasses—5 entries:
Premium, D. Woodman, Paw Paw, Mich..... 10 00

Broom Corn—2 entries—No award.

White Field Beans—4 entries:
First premium, Robert Sheddon, Pingree Grove..... 5 00
Second premium, Orson Angell, Oshkosh, Wis..... 2 00

Castor Beans—2 entries:
Premium, W. R. Crain, Junction..... 5 00

Awarding Committee—R. E. Ervin. Wenona; J. H. VanArsdale, Peoria; C. I. McCollister, White Hall.

Lot 103½—Grains and Seeds (By Professionals).

Display of Grains and Seeds—3 entries:
Premium, S. F. Leonard, Chicago..... Dip. and $30 00

Display of Garden Vegetables—2 entries:
First premium, J. C. Vaughan, Chicago..... Dip. and 10 00
Second premium, S. F. Leonard, Chicago..... 5 00

Display of Garden Seeds—2 entries:
First premium, S. F. Leonard, Chicago..... S. M. and 20 00
Second premium, J. C. Vaughan, Chicago..... 10 00

Display of Irish Potatoes—2 entries:
Premium, J. C. Vaughan, Chicago..... Diploma

Awarding Committee—R. E. Ervin, Wenona; D. Woodman, Paw Paw, Mich.; J. W. Turner, Gross Park.

Lot 104—Corn.

Display of Indian Corn—7 entries:
First premium, E. P. Kellenberger, Melville..... $10 00
Second premium, W. R. Crain, Junction..... 5 00

White Indian Corn—10 entries:
First premium, J. L. Crain, Villa Ridge..... 5 00
Second premium, E. P Kellenberger, Melville..... 3 00

Yellow Indian Corn—17 entries:
First premium, J. W. Boatman, Carlinville..... 5 00
Second premium, Nims Bros , Emerson, Ia..... 3 00

Sweet Corn—3 entries:
First premium, E. E. Howe, Marengo..... 3 00
Second premium, Wm. H. Hodge, Morris..... 2 00

Pop Corn—3 entries:
First premium, E. E. Howe, Marengo..... 3 00
Second premium, E. P. Kellenberger, Melville..... 2 00

Field Corn on the Stalk—5 entries:
First premium, E. P. Kellenberger, Melville..... 10 00
Second premium, H. H Clark, Onarga..... 5 00

Corn from Northern Illinois—6 entries:
First premium, E. W. Bryant, Princeton..... 15 00
Second premium, Wm. H. Hodge, Morris..... 10 00

Corn from Central Illinois—3 entries:
First premium, H. H Clark, Onarga..... 15 00
Second premium, H. H. Clark, Onarga..... 10 00

Corn from Southern Illinois—6 entries:
First premium, E. P. Kellenberger, Melville $15 00
Second premium, W. R. Crain, Junction 10 00

Awarding Committee.—R. E. Ervin, Wenona; C. I. McCollister, Whitehall; J. W. Turner, Gross Park.

Lot 105—Vegetables.

Early Irish Potatoes—12 entries:
First premium, B. B. Olds, Clinton, Wis $5 00
Second premium, Wm. H. Hodge, Morris 3 00

Late Irish Potatoes—9 entries:
First premium, B. B. Olds, Clinton, Wis. 5 00
Second premium, Wm. H. Hodge, Morris 3 00

Sweet Potatoes—5 entries:
First premium, Willis Rendleman, Makanda 5 00
Second premium, T. W. Thompson, Makanda 3 00

Yellow Danvers Onions—8 entries:
First premium, E. E. Howe, Marengo 4 00
Second premium, E, E. Howe, Marengo 2 00

Large Red Onions—7 entries:
First premium, E. P. Kellenberger, Melville 4 00
Second premium, E. E. Howe, Marengo 2 00

White Globe Onions—5 entries:
First premium, E. E. Howe, Marengo 4 00
Second premium, E. E. Howe, Marengo 2 00

Table Turnips—6 entries:
First premium, M. Jefferies, Morris 4 00

Beets for table use—6 entries:
First premium, Robt. Sheddon, Pingree Grove 4 00
Second premium, E. R. Kellenberger, Melville 2 00

Mangel Wurzels—4 entries·
First premium, E. P. Kellenberger, Melville 4 00
Second premium, Robt. Sheddon, Pingree Grove 2 00

Parsnips—6 entries:
First premium, M. Carter, Oak Park 4 00
Second premium, E. E. Howe, Marengo 2 00

Cauliflower—3 entries:
First premium, E. E. Howe, Marengo 4 00
Second premium, E. E. Howe, Marengo 2 00

Celery—7 entries:
First premium, E. E. Howe, Marengo 4 00

Cabbage—5 entries:
First premium, E. E. Howe, Marengo 8 00
Second premium, E. E. Howe, Marengo 4 00

Tomatoes—8 entries:
First premium, E. E. Howe, Marengo 4 00
Second premium, M. Carter, Oak Park 2 00

Pumpkins—5 entries:
First premium, Robt. Sheddon, Pingree Grove 4 00
Second premium, E. E. Howe, Marengo 2 00

Squashes—9 entries:
First premium, Robt. Sheddon, Pingree Grove 4 00
Second premium, A. Colvin, Forest Hill 2 00

Watermelons—5 entries:
First premium, E. E. Howe, Marengo 4 00
Second preminm, Jas. W. Wilson, Austin 2 00

Muskmelons—7 entries:
First premium, M. Carter, Oak Park, ... 4 00
Second premium, E. E. Howe, Marengo 2 00

Nutmeg Melons—5 entries:
First premium, E. E. Howe, Marengo 4 00
Second premium, M. Carter, Oak Park 2 00

Carrots—8 entries:
First premium, Robt. Sheddon, Pingree Grove 5 00
Second premium, E. E. Howe, Marengo 3 00

Egg-Plant Fruit—6 entries:
First premium, A. Colvin, Forest Hill $4 00
Second premium, M. Carter, Oak Park 2 00

Variety Garden Seeds—5 entries:
First premium, E. E. Howe, Marengo 10 00
Second premium, Orson Angell, Oshkosh, Wis 5 00

Tobacco—3 entries:
No award.

Sugar Beets—3 entries:
First premium, Robt. Sheddon, Pingree Grove 5 00

Display Garden Vegetables—3 entries:
First premium, E. E. Howe, Marengo, Dip. and 10 00

Display Garden Seeds—7 entries:
First premium, E. E. Howe, Marengo ..... S. M. and 20 00
Second premium, Orson Angell, Oshkosh, Wis 10 00

Display Irish Potatoes—3 entries:
No award.

Awarding Committee—Bradford Hall, Dunlap; Alvin Countryman, Creston; Jas. A. Stone, Bradfordton.

Lot 106—Bread, Cakes, Etc.

Wheat Bread, hop yeast—2 entries:
First premium, Mrs. A. E. Robinson, Atlanta $4 00
Second premium, Mrs. Cellie Keene, Atlanta 2 00

Wheat Bread, milk rising—2 entries:
First premium, Mrs. A. E Robinson, Atlanta 4 00
Second premium, Mrs. Cellie Keene, Atlanta 2 00

Unbolted Flour Bread—2 entries:
First premium, Mrs. Cellie Keene, Atlanta 4 00
Second premium, Mrs. A. E. Robinson, Atlanta 2 00

Rye Bread—3 entries:
First premium, Mrs. Cellie Keene, Atlanta 4 00
Second premium, Mrs. A. E. Robinson, Atlanta 2 00

Corn Bread—4 entries:
First premium, Mrs. A. E. Robinson, Atlanta 4 00
Second premium, Mrs. Cellie Keene, Atlanta 2 00

Sponge Cake—6 entries:
First premium, Mrs. A. E. Robinson, Atlanta 4 00
Second premium, Mrs. Cellie Keene, Atlanta 2 00

Snow Cake—3 entries:
First premium, Mrs. Cellie Keene, Atlanta 4 00
Second premium, Mrs. A. E. Robinson, Atlanta 2 00

Pound Cake—3 entries:
First premium, Esther Cohen, Chicago 4 00
Second premium, Mrs Cellie Keene, Atlanta 2 00

Jelly Cake—3 entries:
First premium, Mrs. A E. Robinson, Atlanta 4 00
Second premium, Mrs. Cellie Keene, Atlanta 2 00

Fruit Cake—3 entries:
First premium, Emily M. B. Boyden, Chicago 4 00
Second premium, Esther Cohen, Chicago 2 00

Silver Cake—4 entries:
First premium, Mrs. S. T. Bronson, Belvidere 4 00
Second premium, Mrs. A. E. Robinson, Atlanta 2 00

Gold Cake—4 entries:
First premium, Mrs. Cellie Keene, Atlanta 4 00
Second premium, Mrs. A. E. Robinson, Atlanta 2 00

Nut Cake—6 entries:
First premium, Emily M. B. Boyden, Chicago 4 00
Second premium, Mrs. S. T. Bronson, Belvidere 2 00

Doughnuts—5 entries:
First premium, Anna Miller, Quincy $4 00
Second premium, Anna Miller, Quincy 2 00

Ginger Cake—4 entries:
First premium, Miss H. M. Bridgman, Chicago 4 00
Second premium, Mrs. Cellie Keene, Atlanta 2 00

Marble Cake—2 entries:
First premium, Mrs. Cellie Keene, Atlanta 4 00
Second premium, Mrs. S. T. Bronson, Belvidere 2 00

Orange Cake—5 entries:
First premium, Esther Cohen, Chicago 4 00
Second premium, Mrs. Cellie Keene, Atlanta 2 00

Lemon Cake—4 entries:
First premium, Mrs. Cellie Keene, Atlanta 4 00
Second premium, Mrs. A. E. Robinson, Atlanta 2 00

Cocoanut Cake—5 entries:
First premium, Mrs. A. E. Robinson, Atlanta 4 00
Second premium, Emily M. B. Boyden, Chicago 2 00

Queen of the Prairie Cake—3 entries:
First premium, Mrs. Cellie Keene, Atlanta 4 00
Second premium, Mrs. A. E. Robinson, Atlanta 2 00

Fig Cake—3 entries:
First premium, Mrs. Cellie Keene, Atlanta 4 00
Second premium, Mrs. A. E. Robinson, Atlanta 2 00

Angel Food—5 entries:
First premium, Mrs. A. E. Robinson, Atlanta 4 00
Second premium, Esther Cohen, Chicago 2 00

Chocolate Cake—6 entries:
First premium, Mrs. A. E. Robinson, Atlanta 4 00
Second premium, H. C. Cullom, Joliet 2 00

Crackers—No entry.

Display Bread and Cakes by Baker or Confectioner—1 entry:
No award.

Sorghum Molasses—3 entries:
First premium, Mrs. A. E. Robinson, Atlanta 3 00
Second premium, F. M. Benham, Grand Rapids, Mich 2 00

Sorghum Sugar—No entry.

Flavoring Extracts—No entry.

Can Sweet Corn—2 entries:
Premium, Mrs. Cellie Keene, Atlanta 2 00

Can Common Corn—2 entries:
Premium, Mrs. Cellie Keene, Atlanta 2 00

Winter Wheat Flour—No entry.

Spring Wheat Flour—No entry.

Starch of Wheat, Illinois Manufacture—No entry.

Starch of Indian Corn, Illinois Manufacture—No entry.

Awarding Committee—Mrs. Robt. Mitchell, Princeton, Ind.; Mrs. Ed. Harwick, Chicago; Miss Jessie Walker, Chicago.

Lot 107---Bees, Honey, Etc.

Display of Bees under glass—No entry.

Display of Comb Honey—3 entries:
First premium, J. V. Caldwell, Cambridge $8 00
Second premium, H. S. Hackman, Peru 5 00

Display of Extracted Honey—1 entry:
First premium, H. S. Hackman, Peru 8 00

Display of Aparian Appliances—No entry.

Awarding Committee—Thos. G. Newman, Chicago; D. Bartholome, Batavia; Matt. Anderson, Pine Bluff, Wis.

CLASS H—HORTICULTURE AND FLORICULTURE.

GEO. S HASKELL, *Superintendent.*

Lot 108—Flowers and Plants.

(For Professional Florists and Dealers.)

Collection distinct varieties Green-house and Hot-house plants—3 entries:
Premium, Chas. Reissig, Chicago ..... Dip. and $65 00

Collection Cacti, Agaves and Aloes—3 entries:
First premium, Alex. Newett, Chicago 6 00

Collection Echeverias and Succulents—1 entry: No award.

Rex Begonias—2 entries:
Premium, Geo. Wittbold, Lake View 5 00

Winter-flowering Begonias—2 entries:
Premium, Alex Newett, Chicago 5 00

Collection Geraniums in flower—3 entries:
Premium, D. S. Heffron, Washington Heights 10 00

Single Geraniums—4 entries:
Premium, D. S. Heffron, Washington Heights 5 00

Double Geraniums—4 entries:
Premium, D. S. Heffron, Washington Heights 5 00

Foliage and Variegated Geraniums—2 entries:
Premium, F. A. Baller, Bloomington 5 00

Seedling Geranium—2 entries:
Premium, D. S. Heffron, Washington Heights ..... Silver Medal

Carnations in bloom—2 entries:
Premium, F. A. Baller, Bloomington 10 00

Two Hanging Baskets—3 entries:
Premium, J. C. Vaughan, Chicago 5 00

Specimen Plant—4 entries:
Premium, R. J. Purvis, Havelock 5 00

Collection of Palms—2 entries:
Premium, Geo. Wittbold, Lake View 10 00

Ficus—1 entry:
Premium, Geo. Wittbold, Lake View 3 00

Collection Ferns—2 entries:
Premium, Geo. Wittbold, Lake View 10 00

Collections Crotons—No entry.

Collection Bulbs, named—1 entry:
Premium, J. C. Vaughan, Chicago ..... Silver Medal

New and Meritorious Plant—2 entries:
Premium, Alex. Newett, Chicago ..... Diploma

Awarding Committee—James Crow, Crystal Lake; Mrs. E. J. Abbott, Chicago; H. G. Savage, Chicago.

Lot 109—Cut Flowers.

(For Professional Florists.)

Collection Cut Flowers—3 entries:
First premium, W. A. Burdick & Co., Rockford $15 00
Second premium, F. A. Baller, Bloomington 10 00

Collection Asters—2 entries:
First premium, Wm. Toole, N. Freedom, Wis $8 00
Second premium, W. A. Burdick & Co., Rockford 5 00

Collection Dahlias—4 entries:
First premium, D. S. Heffron, Washington Heights 10 00
Second premium, W. A. Burdick & Co., Rockford 6 00

Collection Pompone or Bouquet Dahlias—2 entries:
First premium, F. A. Baller, Bloomington 5 00
Second premium, D. S. Heffron, Washington Heights 3 00

Single Dahlia—1 entry:
First premium, D. S. Heffron, Washington Heights 3 00

Seedling Dahlia—1 entry:
Premium, D. S. Heffron, Washington Heights ..... Dip.

Display Dianthus—1 entry:
First premium, W. A. Burdick & Co., Rockford 8 00

Collection Everlastings—1 entry:
Premium, J. C. Vaughan, Chicago ..... Dip.

Collection Grasses—1 entry:
Premium, J. C. Vaughan, Chicago ..... Dip.

Display Cut Roses—1 entry:
First premium, F. A. Baller, Bloomington 10 00

Collection Gladioli—3 entries:
First premium, J. C. Vaughan, Chicago 10 00
Second premium, W. A. Burdick & Co., Rockford 6 00

Collection Pansies—2 entries:
First premium, Wm. Toole, N. Freedom, Wis 8 00
Second premium, W. A. Burdick & Co., Rockford 5 00

Collection Phlox Drummondii—1 entry:
First premium, W. A. Burdick & Co., Rockford 8 00

Collection Tuberoses—3 entries:
First premium, J. C. Vaughan, Chicago 5 00
Second premium, F. A. Baller, Bloomington 3 00

Collection Verbenas—2 entries:
First premium, F. A. Baller, Bloomington 8 00
Second premium, W. A. Burdick & Co., Rockford 6 00

Collection Cut Geraniums—2 entries:
First premium, W. A. Burdick & Co., Rockford 8 00
Second premium, F. A. Baller, Bloomington 6 00

Collection Double Zinnias—1 entry:
First premium, W. A. Burdick & Co., Rockford 5 00

Collection Double Petunias—1 entry:
First premium, W. A. Burdick & Co., Rockford 5 00

Collection Single Petunias—1 entry:
First premium, W. A. Burdick & Co., Rockford 5 00

Collection Cut Flowers—4 entries:
Premium, W. A. Burdick & Co., Rockford ..... Dip.

Floral Design—9 entries:
First premium, H. W. Buckbee, Rockford 40 00
Second premium, M. F. Gallagher, Chicago 25 00
Third premium, Chas. Reissig, Chicago 15 00

Wreath—4 entries:
Premium, Walter Kreitling, Chicago 8 00

Pair Hand Bouquets—5 entries:
Premium, E. J. Abbott, Chicago 6 00

Basket Cut Flowers—5 entries;
Premium, Walter Kreitling, Chicago 10 00

Basket Cut Roses—3 entries:
Premium, M. F. Gallagher, Chicago 10 00

Pair Bouquets of Grasses—2 entries:
Premium, J. C. Vaughan, Chicago 5 00

Design for Dinner Table Decoration—5 entries:
Premium, Chas. Reissig, Chicago.....S. M. and $20 00

Display of Florists' Requisites—3 entries:
Premium, J. C. Vaughan, Chicago..... S. M.

Display Floral Work—5 entries:
Premium, M. F. Gallagher, Chicago.....S. M. and 30 00

Awarding Committee.—James Crow, Crystal Lake; Mrs. E. J. Abbott, Chicago; H. G. Savage, Chicago.

Lot 110—Cut Flowers, Floral Designs and Bouquets.

(For Amateurs.)

Collection Cut Flowers—3 entries:
First premium, Mrs. O. A. Sheldon, Racine, Wis..... $6 00
Second premium, Mrs. C. Hinsey, Pekin..... 4 00

Collection Asters—3 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind..... 4 00
Second premium, Mrs. O. A. Sheldon, Racine, Wis..... 2 00

Collection Balsams—2 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind..... 4 00
Second premium, Mrs. C. Hinsey, Pekin..... 2 00

Collection Dahlias, named—3 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind..... 4 00
Second premium, Mrs. C. Hinsey, Pekin..... 3 00

Collection of Bouquet or Ponpone Dahlias—2 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind..... 3 00
Second premium, Mrs. C. Hinsey, Pekin..... 2 00

Collection Everlastings—3 entries:
First premium Mrs, C. Hinsey, Pekin..... 3 00
Second premium, Mrs. O. A, Sheldon, Racine, Wis..... 2 00

Collection Gladioli—3 entries:
First premium, Mrs. O. A. Sheldon, Racine, Wis..... 5 00
Second premium, Mrs. P. D. Stagg, Greensburg, Ind..... 3 00

Collection Japan Pinks—2 entries:
First premium, Mrs. C. Hinsey, Pekin..... 4 00
Second premium, Mrs. O. A. Sheldon, Racine, Wis..... 3 00

Collection Single Petunias—3 entries:
First premium, Mrs. O. A. Sheldon, Racine, Wis..... 4 00
Second premium, Mrs. C. Hinsey, Pekin..... 3 00

Collection Double Petunias—2 entries:
First premium, Mrs. O. A. Sheldon, Racine, Wis..... 4 00
Second premium, Mrs. C. Hinsey, Pekin..... 3 00

Collection Pansies—2 entries:
First premium. Mrs. O. A. Sheldon, Racine, Wis..... 4 00
Second premium, Mrs. C. Hinsey, Pekin..... 3 00

Collection Phlox Drummondii—2 entries:
First premium, Mrs. C. Hinsey, Pekin..... 4 00
Second premium, Mrs. O. A. Sheldon, Racine, Wis..... 3 00

Collection Cut Roses—3 entries:
First premium, Mrs. E. J. Abbott, Chicago..... 4 00
Second premium, Mrs. P. D. Stagg, Greensburg, Ind..... 3 00

Collection Tube Roses—1 entry:
First premium, Mrs. C. Hinsey, Pekin..... 2 00

Collection Verbenas—2 entries:
First premium, Mrs. O. A. Sheldon, Racine, Wis..... 4 00
Second premium, Mrs. C. Hinsey, Pekin..... 3 00

Double Zinnia—6 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind..... 3 00
Second premium, Mrs. A. E. Robinson, Atlanta..... 2 00

Floral Design—4 entries:
First premium, Maud C. Hinsey, Pekin..... 10 00
Second premium, Mrs. O. A. Sheldon, Racine, Wis..... 8 00

Floral Design of Dahlias—1 entry:
Premium, Maud C. Hinsey, Pekin..... $4 00

Floral Wreath—2 entries:
Premium, Maud C. Hinsey, Pekin..... 4 00

Floral Heart—2 entries:
Premium, Mrs. P. D. Stagg, Greensburg, Ind..... 4 00

Pair Hand Bouquets—3 entries:
First premium, Maud C. Hinsey, Pekin..... 4 00
Second premium, Mrs. O. A. Sheldon, Racine, Wis..... 2 00

Pair Grass Bouquets—4 entries:
First premium, Maud C. Hinsey, Pekin..... 4 00
Second premium, Mrs. P. D. Stagg, Greensburg, Ind..... 2 00

Basket Cut Flowers—3 entries:
First premium, Mrs. O. A. Sheldon, Racine, Wis..... 4 00
Second premium, Mrs. P. D. Stagg, Greensburg, Ind..... 3 00

Winter Basket of Flowers, Leaves and Mosses—2 entries:
First premium, Maud C. Hinsey, Pekin..... 3 00
Second premium, Mrs. O. A. Sheldon, Racine, Wis..... 2 00

Awarding Committee—Mrs. H. W. Buckbee, Rockford; H. W, Buckbee, Rockford; H. G, Savage, Chicago.

Lot 111—Home-Grown Fruits.

(For Professional Fruit Growers and Orchardists).

Collection Fruits by a Horticultural Society—3 entries:
First premium, James T. Johnson, Secretary, Warsaw..... $60 00
Second premium, H. M. Dunlap, Secretary, Savoy..... 40 00
Third premium, F. M. Benham, Secretary, Grand Rapids, Mich..... 20 00

Collection Apples. 25 varieties—6 entries:
First premium, W. R. Crain, Junction..... 20 00
Second premium, James T. Johnson, Warsaw..... 15 00

Collection Apples from Southern Illinois—2 entries:
First premium, J. L Crain, Villa Ridge..... 15 00
Second premium, W. R. Crain, Junction..... 10 00

Collection Apples from Central Illinois—3 entries;
First premium, James T. Johnson, Warsaw..... 15 00
Second premium, S. Larish, Pekin..... 10 00

Collection Apples from Northern Illinois—No entry.

Crabapples—3 entries:
Premium, James T Johnson, Warsaw..... 3 00

Collection Pears—3 entries:
First premium, S. Larish, Pekin..... 5 00
Second premium, W. R. Crain, Junction..... 3 00

Collection Autumn Pears—2 entries:
First premium, S. Larish, Pekin..... 5 00
Second premium, H. M Dunlap, Savoy..... 3 00

Collection Winter Pears—1 entry:
First premium, S. Larish, Pekin..... 5 00

Collection Peaches, named—1 entry:
First premium, F. M. Benham, Grand Rapids, Mich..... 3 00

Collection Plums—4 entries:
First premium, James T. Johnson, Warsaw..... 3 00
Second premium, F. M. Benham, Grand Rapids, Mich..... 2 00

Quinces—No entry.

Display Grapes, named—3 entries:
First premium, D. S Heffron, Washington Heights..... 15 00
Second premium, F. M. Benham, Grand Rapids, Mich..... 10 00

Early Grapes—3 entries:
First premium, F. M. Benham, Grand Rapids, Mich..... 3 00
Second premium, D. S. Heffron, Washington Heights..... 2 00

Late Grapes—2 entries:
First premium, H. M. Dunlap, Savoy $3 00
Second premium, D. S. Heffron, Washington Heights 2 00

Wine Grapes—1 entry:
First premium, H. M. Dunlap, Savoy 3 00

New Grapes—No entry.

Display of Fruits—3 entries:
Premium, H. M. Dunlap, Savoy 15 00

Show Apples—6 entries:
Premium, James T. Johnson, Warsaw 5 00

Display California Fruits—No entry.

Awarding Committee—T. W. Thompson, Makanda; D. Woodman, Paw Paw, Mich.; O. W. Hoff, Wataga.

Lot 112—Home-Grown Fruits.

(By Farmer or Amateur).

Collection of Apples, 10 varieties—5 entries:
First premium, Willis Rendleman, Makanda $6 00
Second premium, D. Woodman, Paw Paw, Mich 4 00

Collection of Apples, 6 varieties—5 entries:
First premium, D. Woodman, Paw Paw, Mich 5 00
Second premium, Ernest L. Dunlap, Savoy 3 00

Collection of Apples, 4 varieties—5 entries:
First premium, Ernest L. Dunlap, Savoy 3 00
Second premium, D. Woodman, Paw Paw, Mich 2 00

Collection of Pears—3 entries:
First premium, Willis Rendleman, Makanda 3 00
Second premium, Ernest L. Dunlap, Savoy 2 00

Collection of Peaches—1 entry: No award.

Collection of Plums—1 entry:
First premium, Ernest L. Dunlap, Savoy 3 00

Early Grapes—3 entries:
First premium, J. V. N. Standish, Galesburg 3 00
Second premium, J. V. N. Standish, Galesburg 2 00

Late Grapes—3 entries:
First premium, J. V. N. Standish, Galesburg 3 00
Second premium, J. V. N. Standish, Galesburg 2 00

Wine Grapes—3 entries:
First premium, J. V. N. Standish, Galesburg 3 00
Second premium, Ernest L. Dunlap, Savoy 2 00

Display of Grapes—3 entries:
First premium, J. V. N. Standish, Galesburg 5 00
Second premium, J. V. N. Standish, Galesburg 3 00

Apples for Southern Illinois—4 entries:
First premium, J. L. Crain, Villa Ridge 6 00
Second premium, W. R. Crain, Junction 4 00

Apples for Central Illinois—1 entry:
First premium, Ernest L. Dunlap, Savoy 6 00

Apples for Northern Illinois—No entry.

Awarding Committee.—F. A. Baller, Bloomington; D. S. Heffron, Washington Heights; S. Larish, Pekin.

Lot 113—Jellies, Preserves, Pickles, etc.

Fruit Jelly—2 entries:
First premium, Mrs. A. E. Robinson, Atlanta $8 00
Second premium, Mrs Cellie Keene, Atlanta 5 00

Small Fruit Jelly—2 entries:
First premium, Mrs. Cellie Keene, Atlanta 8 00
Second premium, Mrs. A. E. Robinson, Atlanta 5 00

Display of Jellies—2 entries:
First premium, Mrs. Cellie Keene, Atlanta 20 00
Second premium, Mrs. A. E. Robinson, Atlanta 15 00

Canned Fruit—2 entries:
First premium, Mrs. A. E. Robinson, Atlanta..... $8 00
Second premium, Mrs. Cellie Keene, Atlanta..... 5 00

Canned Small Fruit—2 entries:
First premium, Mrs. Cellie Keene, Atlanta..... 8 00
Second premium, Mrs. A. E. Robinson, Atlanta..... 5 00

Display of Canned Fruit—2 entries:
First premium, Mrs. Cellie Keene, Atlanta..... 20 00
Second premium, Mrs. A. E. Robinson, Atlanta..... 15 00

Preserved Fruits—2 entries:
First premium, Mrs. Cellie Keene, Atlanta..... 12 00
Second premium. Mrs. A. E. Robinson, Atlanta..... 8 00

Fruit Butter—2 entries:
First premium, Mrs. Cellie Keene, Atlanta..... 7 00
Second premium, Mrs. A. E. Robinson, Atlanta..... 5 00

Fruit Jam—2 entries:
First premium, Mrs. A. E. Robinson, Atlanta..... 7 00
Second premium, Mrs. Cellie Keene, Atlanta..... 5 00

Sour Pickles—2 entries:
First premium, Mrs. Cellie Keene, Atlanta..... 8 00
Second premium, Mrs. A. E. Robinson, Atlanta..... 6 00

Sauces, Relishes, Catsups, etc.—2 entries:
First premium, Mrs. A. E. Robinson, Atlanta..... 6 00
Second premium, Mrs. Cellie Keene, Atlanta..... 4 00

Exhibition of Preserved Fruits, Vegetables or Animal Substances, without heat, sugar or air-tight jars—No entry.

Display Canned, Dried and Preserved Fruits by manufacturer or dealer.—No entry.

Awarding Committee—Mrs. I. S. Hendrickson, Chicago; Mrs. A. C. Marshall, Chicago; Mrs. J. T. Emerick, Elmhurst.

CLASS I—ARTS.

J. IRVING PEARCE—*Superintendent.*

Lot 114—Fine Arts.

Portrait in Oil, from sitting—2 entries:
First premium. Annie W. Jones, Chicago..... $15 00
Second premium, Miss M. I. Owens, Chicago..... 10 00

Landscape in Oil, from nature—20 entries:
First premium, Nettie Baker, Englewood..... 15 00
Second premium, Mrs. O. G. Ventres, Chicago..... 10 00

Game Piece in Oil—2 entries:
First premium, Julia Hunt, Galesburg..... 10 00
Second premium, Julia Hunt, Galesburg..... 5 00

Flower Painting in Oil, from nature—16 entries:
First premium, Mrs. J. A. Wadhams, Irving Park..... 5 00
Second premium, Mrs. O. G. Ventres, Chicago..... 3 00

Fruit Piece in Oil—16 entries:
First premium, Mrs. M. H Peters, Chicago..... 5 00
Second premium, Grace C. Parker, Chicago..... 3 00

Fish Study in Oil—No entry.

Animal Painting—14 entries:
First premium, Grace C. Parker, Chicago..... 10 00
Second premium, Miss M. I. Owens, Chicago..... 5 00

Water Color Portrait, from sitting—4 entries:
First premium, F S. Cleaver, Chicago..... 15 00
Second premium, Mrs. J. C. Henry, Chicago..... 10 00

Landscape in Water Color, from nature—5 entries:
First premium, F. S. Cleaver, Chicago..... 8 00
Second premium, Emma Rees, Geneseo..... 4 00

Flower Piece in Water Color—3 entries:
First premium, Emma Rees, Geneseo..... 5 00

Crayon Portrait—8 entries:
First premium, Mrs. J. C. Henry, Chicago $10 00
Second premium, H. K. Saunders, Chicago 5 00

Charcoal Sketch, from nature—2 entries:
First premium, Annie W. Jones, Chicago 5 00
Second premium, Emma Rees, Geneseo 3 00

Pencil Drawing, from nature—1 entry:
Second premium, Emma Rees, Geneseo 3 00

Awarding Committee—A. D. Beecher, Chicago; J. H. Barber, Albion; R. H. Tinker, Rockford.

Lot 115—Decorative Art.

Collection Ornamental Tile for Mantle Facing—1 entry:
First premium, Mrs. Pauline Jacobus, Chicago $10 00

Painted Tile—5 entries:
First premium, Mrs. Pauline Jacobus, Chicago 5 00
Second premium, Mrs. E J. Abbott, Chicago 3 00

Umbrella Stand—4 entries:
First premium, Mrs. Pauline Jacobus, Chicago 5 00
Second premium, Mrs. L. J. Hewitt, Chicago 3 00

Painting on Pottery—10 entries:
First premium, Mrs. Pauline Jacobus, Chicago 5 00
Second premium, Mrs. M. H. Peters, Chicago 3 00

Landscape on China—4 entries:
First premium, P. Putzki, Chicago 8 00
Second premium, Mrs. M. H. Peters, Chicago 4 00

Fruit Piece on China—2 entries:
First premium, Lyra S. Brown, Chicago 5 00
Second premium, Lyra S. Brown, Chicago 3 00

Painted China Placque—7 entries:
First premium, P. Putzki, Chicago 5 00
Second premium, Mrs. J. T. Emerick, Elmhurst 3 00

Carving in Clay—1 entry:
First premium, Mrs. Pauline Jacobus, Chicago 10 00

Wood Carving—No entry.

Painted Placque in Pottery—4 entries:
First premium, Mrs. Pauline Jacobus, Chicago 5 00
Second premium, Mrs. M. H. Peters, Chicago 3 00

Modeling in Clay, head or figure—7 entries:
First premium, David Richards, Chicago 20 00
Second premium, Henry R Bebber, Chicago 10 00

Modeled Game Piece—No entry.

Fish Set on China—1 entry:
First premium, Mrs. L. R. Beardsley, Chicago 8 00

Game Piece on Pottery—1 entry:
First premium, Mrs. Pauline Jacobus, Chicago 5 00

New Design in Lamp—1 entry:
First premium, Mrs. Pauline Jacobus, Chicago 5 00

Landscape on Pottery—2 entries:
First premium, Mrs. M. H. Peters, Chicago 8 00
Second premium, Mrs. Pauline Jacobus, Chicago 4 00

Tapestry Painting—3 entries:
First premium, Cornelia Burns, Chicago 10 00
Second premium. Mrs. M. H. Peters, Chicago 5 00

Panel, Repoussé—3 entries:
First premium, Mrs. Mary A. Brown, Chicago 8 00
Second premium, Jennie Jacobus, Chicago 4 00

Card Receiver, Repoussé—No entry.

New Design in Pottery—3 entries:
First premium, Mrs. Pauline Jacobus, Chicago 10 00
Second premium. Mrs. M. H. Peters, Chicago 5 00

Painted Fire Screen—3 entries:
First premium, Mrs. J. S. Robinson, Chicago $5 00
Second premium, Mrs. L. J. Hewitt, Chicago 3 00

Painted Sofa Pillow—4 entries:
First premium, Emma Rees, Geneseo 3 00
Second premium, Mrs. L. J. Hewitt, Chicago 2 00

Painted Tidy—2 entries:
First premium, Mrs. L. J. Hewitt, Chicago 2 00
Second premium, Mrs. L. J. Hewitt, Chicago 1 00

Painted Lambrequin—4 entries:
First premium, Mrs. L. J. Hewitt, Chicago 3 00
Second premium, Ella Wills, Lebanon, Ind 2 00

Painted Toilet Set—5 entries:
First premium, Mrs. Cellie Keene, Atlanta 3 00
Second premium. Mrs. P. D. Stagg, Greensburg, Ind 2 00

Painted Splasher—3 entries:
First premium, Mrs. L. J. Hewitt, Chicago 3 00
Second premium, Mrs. N. W. Morgan, Chicago 2 00

Painted Stand Cover—5 entries:
First premium, Mrs. L. J. Hewitt, Chicago 3 00
Second premium, Maud C. Hinsey. Pekin 2 00

Luster Painting—7 entries:
First premium, Mrs. L. J. Hewitt, Chicago 5 00
Second premium, Mrs. M. H. Peters, Chicago 3 00

Etching on Linen—6 entries:
First premium, E. M. B. Boyden, Chicago 3 00
Second premium, Emma Rees, Geneseo 2 00

Monotype—No entry.

Painting on Satin—7 entries:
First premium, Mrs. J. T. Emerick, Elmhurst 3 00
Second premium, Emma Rees, Geneseo 2 00

Painting on Velvet—9 entries:
First premium, Julia Hunt, Galesburg 3 00
Second premium, Mrs. L. J. Hewitt, Chicago 2 00

Painting on Plush—1 entry:
First premium, Emma Rees, Geneseo 3 00

Kensington Painting—3 entries:
First premium, Mrs. L. J. Hewitt, Chicago 3 00
Second premium, Mrs. L. J. Hewitt, Chicago 2 00

Painting on Bolting-Cloth—2 entries:
First premium, Mrs. J. S. Robinson, Chicago 3 00

Display of New Designs in Interior Decoration—3 entries:
First premium, Mrs. Pauline Jacobus, Chicago 20 00
Second premium, Mrs. L. J. Hewitt, Chicago 10 00

Painted Dinner or Tea Set on China—4 entries:
First premium, Lyra S. Brown, Chicago 15 00
Second premium, Mrs. J. A. Wadhams, Irving Park 10 00

Awarding Committee—A. D. Beecher, Chicago; J. W. Barber, Albion; R. H. Tinker, Rockford.

CLASS K—TEXTILE FABRICS.

M. A. MORSE, *Superintendent.*

Lot 116—Manufactured Goods.

Display of Woolen Goods—No entry.

Display of Mixed Cotton and Wool—No entry.

Display of Cotton Goods—No entry.

Display of Linen Goods—No entry.

Display of Carpets—No entry.

Display of Quilts—No entry.

Display of Blankets—No entry.

Display of Knit Goods—No entry.

Display of Silk Goods—No entry.

Display of Men's Clothing—No entry.

Display of Ladies' Dresses—No entry.

Display of Gloves and Mittens—No entry.

Display of Fur Carriage Robes—No entry.

Display of Society Regalia—No entry.

Display of Dress Goods—No entry.

Display of Millinery—No entry.

Display of Ladies' Furs—No entry.

Lot 117—Handiwork of the Exhibitor.

Foot Mat, Wool—4 entries:	
First premium, Mrs. Mattie H. Smith, LaGrange	$3 00
Second premium, Mrs. Mattie H. Smith, LaGrange	2 00
Parlor Rug, Wool—6 entries:	
First premium, Mrs. J. Nearing, Kenney	3 00
Second premium, Mrs. Mattie H. Smith, LaGrange	2 00
Hearth Rug, Wool—9 entries:	
First premium, Mrs. Isabella McKay, Chicago	3 00
Second premium, Mrs. Mattie H. Smith, LaGrange	2 00
Hearth Rug, Rags—6 entries:	
First premium, Mrs. S. Beecher, Chicago	3 00
Second premium, Mrs. Geo. Bement, Belvidere	2 00
Carriage Mat—7 entries:	
First premium, Mrs. Geo. Bement, Belvidere	3 00
Second premium, Anna Miller, Quincy	2 00
Lady's Dress—7 entries:	
First premium, Mrs. L. E. Rockwell, Quincy	3 00
Second premium Anna Miller, Quincy	2 00
Child's Dress—6 entries:	
First premium, Mrs. Geo. Bement, Belvidere	3 00
Second premium, Ella Wills, Lebanon, Ind	2 00
Suit Boy's Clothes—4 entries:	
First premium, Anna Miller, Quincy	3 00
Second premium, Mrs. Cellie Keene, Atlanta	2 00
Hand-made Shirt—9 entries:	
First premium, Mrs. J. Nearing, Kenney	3 00
Second premium, Mrs. C. C Burns, Greensburg, Ind	2 00
Machine-made Shirt—4 entries:	
First premium, Mrs. L. E. Rockwell, Quincy	2 00
Second premium, Ella Wills, Lebanon, Ind	1 00
Quilted Silk Skirt—4 entries:	
First premium, Mrs. Geo. Bement, Belvidere	3 00
Second premium, Anna Miller, Quincy	2 00
Pair Curtains, trimmed with lace—2 entries:	
First premium, Mrs. C. C. Burns, Greensburg, Ind	3 00
Second premium, Maud C. Hinsey, Pekin	2 00
Lady's Stockings, Wool—10 entries:	
First premium, Mrs. C. C. Burns, Greensburg, Ind	2 00
Second premium, Mrs. J. Nearing, Kenney	1 00
Lady's Stockings, Cotton—7 entries:	
First premium, Mrs. C. C. Burns, Greensburg, Ind	2 00
Second premium, Mrs. L. E. Rockwell, Quincy	1 00

Men's Socks, Wool—10 entries:
First premium, Mrs. C. C. Burns, Greensburg, Ind $2 00
Second premium, Mrs. J. Nearing, Kenney 1 00

Men's Socks, Cotton—8 entries:
First premium, Mrs. J. Nearing, Kenney 2 00
Second premium, Mrs. L. E. Rockwell, Quincy 1 00

Mittens, Wool—10 entries:
First premium, Jennie Howard, Chicago 2 00
Second premium, Mrs. C. C. Burns, Greensburg, Ind 1 00

Mittens, Silk—8 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind 2 00
Second premium, Mrs. C. Hinsey, Pekin 1 00

Collection of Knitting, Socks and Stockings—8 entries:
First premium, Mrs C. C Burns, Greensburg, Ind 3 00
Second premium, Mrs. J. Nearing, Kenney 2 00

Knitted Wool Lace—7 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind 2 00
Second premium, Mrs. Geo. Bement, Belvidere 1 00

Knitted Cotton Lace—6 entries:
First premium, Mrs. P. D Stagg, Greensburg, Ind 2 00
Second premium, Mrs. Cellie Keene, Atlanta 1 00

Knitted Silk Lace—4 entries:
First premium, Mrs. C. Hinsey, Pekin 2 00
Second premium, Anna Miller, Quincy 1 00

Collection Fancy Knitting—6 entries:
First premium, Mrs. C. C. Burns, Greensburg, Ind 3 00
Second premium, Mrs. Geo. Bement, Belvidere 2 00

Sample Plain Sewing—10 entries:
First premium, Maud C. Hinsey, Pekin 3 00
Second premium, Ella Wills, Lebanon, Ind 1 00

Night Dress—10 entries:
First premium, Mrs. J. Nearing, Kenney 2 00
Second premium, Mrs. P. D. Stagg, Greensburg, Ind 1 00

Chemise—8 entries:
First premium, Anna Miller, Quincy 2 00
Second premium, Mrs. P. D. Stagg, Greensburg, Ind 1 00

Specimen of Darning and Repairing—9 entries:
First premium, Emma Rees, Geneseo 2 00
Second premium, Maud C. Hinsey, Pekin 1 00

Kitchen Apron—11 entries:
First premium, Maud C. Hinsey, Pekin 2 00
Second premium, Mrs. L. E. Rockwell, Quincy 1 00

Awarding Committee.—Mrs. W. G. Miller, Chicago; Mrs. K. F. Cramer, Chicago; Mrs. J. S. Hambly, Chicago.

Lot 118—Quilts and Patchwork.

Silk Quilt, Patchwork—15 entries:
First premium, Maud C. Hinsey, Pekin $4 00
Second premium, Mrs. Mary A. Brown, Chicago 2 00

Silk Quilt, embroidered—6 entries:
First premium, Anna Miller, Quincy 4 00
Second premium, Maud C. Hinsey, Pekin 2 00

Japanese or Crazy Silk Quilt—17 entries:
First premium, Maud C. Hinsey, Pekin 4 00
Second premium, Mrs E. D. Ransom, Belvidere 2 00

Silk Basket Quilt—2 entries:
First premium, Mrs. E. D. Ransom, Belvidere 4 00
Second premium, Mrs. J. Irving Pearce, Chicago 2 00

Silk Crib Quilt—6 entries:
First premium, Mrs C. Hinsey, Pekin 3 00
Second premium, Mrs. J. Irving Pearce, Chicago 2 00

Cotton Crib Quilt—2 entries:
First premium, Mrs. J. Liebhardt, Knightstown, Ind 2 00

Cotton Patchwork Quilt—5 entries:
First premium, Maud C. Hinsey, Pekin $3 00
Second premium, Mrs. E. D. Ransom, Belvidere 2 00

Worsted Patchwork Quilt—3 entries:
First premium, Maud C. Hinsey, Pekin 3 00
Second premium, Mrs. J. Liebhardt, Knightstown, Ind 2 00

Quilt made by Lady over 60 years old—11 entries:
First premium, Mrs. C, E. Manville, Chicago 4 00
Second premium, Mrs. Minerva Northway, Chicago 2 00

Knitted Cotton Spread—5 entries:
First premium, Mrs. C. Hinsey, Pekin 3 00
Second premium, Mrs. Elizabeth White, Chicago 2 00

White Quilt—5 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind 2 00
Second premium, Ella Wills, Lebanon, Ind 1 00

Crochet Spread—5 entries:
First premium, Maud C. Hinsey, Pekin 3 00
Second premium, Mrs. J. Nearing, Kenney 2 00

Silk Comforter—3 entries:
First premium, Mrs. J. Liebhardt, Knightstown, Ind 3 00
Second premium, Mrs. P. D. Stagg, Greensburg, Ind 2 00

Worsted Comforter—3 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind 3 00

Specimen of Quilting—6 entries:
First premium, Ella Wills, Lebanon, Ind 2 00
Second premium, Mrs. C. Hinsey, Pekin 1 00

Japanese or Patchwork Sofa Pillow—8 entries:
First premium, Anna Miller, Quincy 2 00
Second premium, Mrs. Geo. Bement, Belvidere 1 00

Japanese or Patchwork Table Cover—8 entries:
First premium, Anna Miller, Quincy 2 00
Second premium, Mrs. Geo. Bement, Belvidere 1 00

Japanese or Patchwork Chair Stripe—4 entries:
First premium, Mrs. L. E. Rockwell, Quincy 2 00
Second premium, Mrs. Geo. Bement, Belvidere 1 00

Awarding Committee.—Maude A. Hill, Chicago; Mrs. Harwick, Chicago; Maggie I. Owens, Chicago.

Lot 119—Ornamental Needle Work.

Specimen of Braiding—11 entries:
First premium, Mrs. J. S. Robinson, Chicago $3 00
Second premium, Mrs. L. E. Rockwell, Quincy 2 00

Braided Pillow-Case or Sham—10 entries:
First premium, Mrs. C C. Burns, Greensburg, Ind 3 00
Second premium, Maud C. Hinsey, Pekin 2 00

Hemstitching—13 entries:
First premium, Mrs. H. H. Davis, Chicago 3 00
Second premium, Mrs. L. E. Rockwell, Quincy 2 00

Silk Embroidery—17 entries:
First premium, Maud C. Hinsey, Pekin 3 00
Second premium, Maud C. Hinsey, Pekin 2 00

Worsted Embroidery—15 entries:
First premium, Mrs. C. C. Burns, Greensburg, Ind 3 00
Second premium, Mrs. C. C. Burns, Greensburg, Ind 2 00

Cotton Embroidery—15 entries:
First premium, Maud C. Hinsey, Pekin 3 00
Second premium, Mrs. Geo. Bement, Belvidere 2 00

Linen Embroidery—11 entries:
First premium, Mrs. J. Liebhardt, Knightstown, Ind 3 00
Second premium, Maud C. Hinsey, Pekin 2 00

Ribbon Embroidery—17 entries:
First premium, Leila E. Plecker, Chicago 2 00
Second premium, Maud C. Hinsey, Pekin 1 00

Gold Embroidery—5 entries:
First premium, Maud C. Hinsey, Pekin $3 00
Second premium, Ella Wills, Lebanon, Ind 2 00

Embroidered Handkerchief—11 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind 3 00
Second premium, Maud C. Hinsey, Pekin 2 00

Embroidered Fire Screen—7 entries:
First premium, Mrs. J. S. Robinson, Chicago 3 00
Second premium, Mrs. L. J. Hewitt, Chicago 2 00

Embroidered Infant's Shawl—8 entries:
First premium, Maud C. Hinsey, Pekin 3 00
Second premium, Mrs. J. Liebhardt, Knightstown, Ind 2 00

Kensington Embroidery, silk—14 entries:
First premium, Emily M. B. Boyden, Chicago 4 00
Second premium, Mrs. I. B. Gault, Knoxville 2 00

Kensington Embroidery, worsted—9 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind 4 00
Second premium, Maud C. Hinsey, Pekin 2 00

Arrasene Embroidery, silk—20 entries:
First premium, Mrs. A. E. S. Tilton, Chicago 4 00
Second premium, Maud C. Hinsey, Pekin 2 00

Arrasene Embroidery, worsted—6 entries:
First premium, Mrs. L. E. Rockwell, Quincy 4 00
Second premium, Mrs. J Liebhardt, Knightstown, Ind 2 00

Chair Cover—15 entries:
First premium, Mrs. I. B. Gault, Knoxville 5 00
Second premium, Anna Miller, Quincy 3 00

Cover for Ottoman or Foot Rest—14 entries:
First premium, Maud C. Hinsey, Pekin 5 00
Second premium, Anna Miller, Quincy 3 00

Sofa Pillow, silk—17 entries:
Second premium, Mrs. L. E. Rockwell, Quincy 3 00

Sofa Pillow, worsted—5 entries:
First premium, Maud C. Hinsey, Pekin 3 00
Second premium, Mrs. J. Nearing, Kenney 2 00

Carriage Afghan—9 entries:
First premium, Anna Miller, Quincy 8 00
Second premium, Ella Wills, Lebanon, Ind 4 00

Infant's Afghan—6 entries:
First premium, Anna Miller, Quincy 4 00
Second premium, Mrs. P. D. Stagg, Greensburg, Ind 2 00

Infant's Robe—8 entries:
First premium, Ella Wills, Lebanon, Ind 4 00
Second premium, Ella Wills, Lebanon, Ind 2 00

Infant's Skirt, embroidered—10 entries:
First premium, Maud C. Hinsey, Pekin 3 00
Second premium, Anna Miller, Quincy 2 00

Toilet Set, embroidered—10 entries:
First premium, Anna Miller, Quincy 5 00
Second premium, Mrs J. S. Robinson, Chicago 3 00

Set Toilet Mats on canvas—11 entries:
First premium, Maud C. Hinsey, Pekin 3 00
Second premium, Mrs. P. D. Stagg, Greensburg, Ind 2 00

Toilet Cushion, embroidered—11 entries:
First premium, Ella Wills, Lebanon, Ind 3 00
Second premium, Mrs. J. S. Robinson, Chicago 2 00

Embroidered Pillow Case or Sham—10 entries:
First premium, Mrs. C. C. Burns, Greensburg, Ind 4 00
Second premium, Maud C. Hinsey, Pekin 2 00

Worsted Tapestry Work—14 entries:
First premium, E. M. B. Boyden, Chicago 5 00
Second premium, Anna Miller, Quincy 3 00

Japanese Tidy—8 entries:
First premium, Maud C. Hinsey, Pekin $3 00
Second premium, Mrs. Geo. Bement, Belvidere 2 00

Embroidered Silk Tidy—10 entries:
First premium, Mrs. J. S. Robinson, Chicago 3 00
Second premium, Mrs. I. B. Gault, Knoxville 2 00

Worsted Tapestry Picture—3 entries:
First premium, E. M. B Boyden, Chicago 6 00
Second premium, E. M. B. Boyden, Chicago 3 00

Silk Tapestry Picture—1 entry:
First premium, E. M. B. Boyden, Chicago 6 00

Chenille Embroidery—17 entries:
First premium, Ella Wills, Lebanon, Ind 5 00
Second premium, Mrs. P. D. Stagg, Greensburg, Ind 3 00

Lambrequin for Window—8 entries:
First premium, Mrs. P. D. Stagg. Greensburg, Ind 3 00
Second premium, Mrs. J. S. Robinson, Chicago 2 00

Lambrequin for Mantel—11 entries:
First premium, Maud C. Hinsey, Pekin 3 00
Second premium, Anna Miller, Quincy 2 00

Lambrequin for Bracket—11 entries:
First premium Mrs. L. J. Hewitt, Chicago 3 00
Second premium, Mrs. P. D. Stagg Greensburg, Ind 2 00

Embroidered Piano Cover—7 entries:
First premium, Mrs. L. J. Hewitt, Chicago 4 00
Second premium, Mrs. J. Nearing, Kenney 2 00

Embroidered Table Cover—12 entries:
First premium, Mrs. J. Nearing, Kenney 4 00
Second premium, Maud C. Hinsey, Pekin 2 00

Table Scarf—15 entries:
First premium, Ella Wills, Lebanon, Ind 3 00
Second premium, Mrs. J. Nearing, Kenney 2 00

Lap Robe—5 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind 3 00
Second premium, Mrs. J. S. Robinson, Chicago 2 00

Darned Net—15 entries:
First premium, May Golden, Chicago 3 00
Second premium, Maud C. Hinsey, Pekin 2 00

Etching in Silk—14 entries:
First premium, Maud C. Hinsey, Pekin 3 00
Second premium, E. M. B. Boyden, Chicago 2 00

Etching in Cotton—15 entries:
First premium, Mrs. Geo. Bement, Belvidere 3 00
Second premium, Mrs. P. D. Stagg, Greensburg, Ind 2 00

Plush Embroidery—10 entries:
First premium, Mrs. I. B. Gault, Knoxville 5 00
Second premium, Mrs. P. D. Stagg, Greensburg, Ind 3 00

Awarding Committee—Mrs. I. S. Hendrickson, Chicago; Mrs. A. Marshall, Chicago; Jessie C. Marshall, Chicago; Mrs. I. C. Towner, Elgin.

Lot 120—Fancy Work.

Honiton Lace—10 entries:
First premium, H. M. Bridgman, Chicago $3 00
Second premium, Maud C. Hinsey, Pekin 2 00

Appliqué Lace—5 entries:
First premium, Mrs. Geo. Bement, Belvidere 3 00
Second premium, Maud C. Hinsey, Pekin 2 00

Point Lace—11 entries:
First premium, Mrs. Mary A. Brown, Chicago 3 00
Second premium, Maud C. Hinsey, Pekin 2 00

Guipure Lace—5 entries:
First premium, Maud C. Hinsey, Pekin 3 00
Second premium, Mrs. C. C. Burns, Greensburg, Ind 2 00

Lamp Mat- 10 entries:
First premium, Mrs. I. B. Gault, Knoxville..... $2 00
Second premium, Maud C. Hinsey, Pekin..... 1 00

Darning Bag—8 entries:
First premium, Mrs. George Bement, Belvidere..... 2 00
Second premium, Mrs. N. W. Morgan, Chicago..... 1 00

Slipper Case—7 entries:
First premium, Ella Wills, Lebanon, Ind..... 3 00
Second premium, Mrs. J. S. Robinson, Chicago..... 2 00

Card Case—6 entries:
First premium, Ella Wills, Lebanon, Ind..... 2 00
Second premium, Mrs. J. Liebhardt, Knightstown, Ind..... 1 00

Needle Case—7 entries:
First premium, Mrs. George Bement, Belvidere..... 2 00
Second premium, Mrs. J. S. Robinson, Chicago..... 1 00

Comb Case—3 entries:
First premium, Mrs. P. D. Stagg, Greensburg, Ind..... 2 00
Second premium, Mrs. J. S. Robinson, Chicago..... 1 00

Tidy in Wool—13 entries:
First premium, Anna Miller, Quincy..... 3 00
Second premium, Mrs. J. Nearing, Kenney..... 2 00

Tidy in Cotton—16 entries:
First premium, Maud C. Hinsey, Pekin..... 3 00
Second premium, Maud C. Hinsey, Pekin..... 2 00

Fancy Tidy, any material—23 entries:
First premium, Mrs. J. Irving Pearce, Chicago..... 3 00
Second premium, Mrs. J. Liebhardt, Knightstown, Ind..... 2 00

Crochet Work in Worsted—13 entries:
First premium, Ella Wills, Lebanon, Ind..... 3 00
Second premium, Maud C. Hinsey, Pekin..... 2 00

Crochet Work in Cotton—16 entries:
First premium, Mrs. Geo. Bement, Belvidere..... 3 00
Second premium, Maud C. Hinsey, Pekin..... 2 00

Sample Netting—4 entries:
First premium, Maud C. Hinsey, Pekin..... 2 00
Second premium, Mrs. J. Nearing, Kenney..... 1 00

Toilet Cushion—13 entries:
First premium, Mrs. J. Nearing, Kenney..... 2 00
Second premium, Mrs. Geo. Bement, Belvidere..... 1 00

Work Basket—3 entries:
First premium, Maud C. Hinsey, Pekin..... 2 00
Second premium, Mrs. J S. Robinson, Chicago..... 1 00

Infant's Basket—3 entries:
First premium, Mrs. J. Liebhardt, Knightstown, Ind..... 2 00
Second premium, Maud C. Hinsey, Pekin..... 1 00

Scrap Basket—4 entries:
First premium, Mrs. Geo. Bement, Belvidere..... 2 00
Second premium, Maud C. Hinsey, Pekin..... 1 00

Wash-stand Set—10 entries:
First premium, May Golden, Chicago..... 3 00
Second premium, Maud C. Hinsey, Pekin..... 2 00

Whisk Broom Holder—14 entries:
First premium, Ella Wills, Lebanon, Ind..... 2 00
Second premium, Mrs. J. S. Robinson, Chicago..... 1 00

Awarding Committee—Mrs. R. H. Mead, Galva; Mrs. E. J. Abbott, Chicago; Mrs. S. T. Emerick, Elmhurst.

Lot 121—Display of Ladies' Work.

Display of Fancy Needle and Ornamental Work by one person—18 entries:
First premium, Maud C. Hinsey, Pekin..... $40 00
Second premium, Ella Wills, Lebanon, Ind..... 30 00
Third premium, Mrs. C. C Burns, Greensburg, Ind..... 20 00
Fourth premium, Mrs. P. D. Stagg, Greensburg, Ind..... 15 00

Awarding Committee—Mrs. Mary A. Brown, Chicago; Margaret J. Tate, Chicago; Mrs. H. G. Krupp, Chicago.

CLASS L—EDUCATION AND SCIENCE.

A. C. RUSH, *Superintendent.*

Lot 122—Graded School Exhibit.

First Year Work—2 entries:
First premium, Englewood School.....Diploma and $5 00
Second premium, Oak Park School..... 3 00

Second Year Work—2 entries:
First premium, Oak Park School.....Diploma and 5 00
Second premium, Braidwood School..... 3 00

Third Year Work—2 entries:
First premium, Oak Park School.....Diploma and 5 00
Second premium, Joliet School..... 3 00

Fourth Year Work—2 entries:
First premium, Oak Park School.....Diploma and 5 00
Second premium, Braidwood School..... 3 00

Fifth Year Work—2 entries:
First premium, Oak Park School.....Diploma and 5 00
Second premium, Braidwood School..... 3 00

Sixth Year Work—2 entries:
First premium, Oak Park School.....Diploma and 5 00
Second premium, Wilmington School..... 3 00

Seventh Year Work—2 entries:
First premium, Oak Park School.....Diploma and 5 00
Second premium, Englewood School..... 3 00

Eighth Year Work—2 entries:
First premium, Joliet School.....Diploma and 5 00
Second premium, Oak Park School..... 3 00

SWEEPSTAKES.

Exhibit by One System of Graded Schools, 1st Grade to 8th, inclusive—3 entries:
First premium, Oak Park School.....Diploma and 10 00
Second premium, Joliet School..... 5 00
Third premium, Austin School..... 3 00

Set of Three Papers—3 entries:
First premium, Joliet School.....Diploma and 10 00
Second premium, Oak Park School..... 5 00
Third premium, Oak Park School..... 3 00

Five Pencil Drawings—3 entries:
First premium, South Evanston School.....Diploma and 10 00
Second premimm, Ravenswood School..... 5 00
Third premium, Cook County Normal School..... 3 00

Five Crayon Drawings—2 entries:
First premium, South Evanston School.....Diploma and 10 00
Second premium, Cook County Normal School..... 5 00

Five Maps—No entry.

Bookkeeping—No entry.

Superintendent of Schools of the town or city making the best exhibit of work entered for premiums in first eight numbers Lot 122—1 entry:
Premium, B. L. Dodge, Oak Park .....Diploma

Wood Work—1 entry:
First premium, Wright Elson, Oak Park.....Diploma and 10 00

Modeling in Clay or Plaster—1 entry:
First premium, Cook County Normal School .....Diploma and 10 00

Mechanical or Architectural Drawing—No entry.

Object Drawing—5 entries:
Premium, South Evanston School.....Diploma and 10 00

Object Painting—5 entries:
Premium, District 9, Hyde Park Township, Cook County.....Diploma and 10 00

Essay on "Illinois State Fair"—2 entries:
First premium, Augusta White, Chicago ..... Diploma and $10 00
Second premium, Lizzie A. Williams, Chicago 5 00

Awarding Committee—Silas Y. Gillan, Danville; Charles I. Parker, South Chicago; John H Tear, Delavan.

Lot 123—Country School Exhibit.

Spelling, advanced pupils—25 entries:
First premium, Dist. 1, Tp. 13, R. 5, Sangamon Co ..... Diploma and $5 00
Second premium, Dist. 5, Tp. 40, R. 13, Cook Co 3 00

Spelling, intermediate pupils—28 entries:
First premium, DesPlaines Tp., Cook Co ..... Diploma and 5 00
Second premium, Dist. 3, Tp. 34, R. 10, Will Co 3 00

Spelling, primary pupils—23 entries:
First premium, Dist. 10, Tp. 17, R. 7, Sangamon Co ..... Diploma and 5 00
Second premium, Dist. 7, Tp. 35, R. 12, Will Co 3 00

Business Forms, advanced pupils—25 entries:
First premium, Dist 5, Tp. 40, R. 13, Cook Co ..... Diploma and 5 00
Second premium, Dist. 1, Tp. 8, R. 24, Ford Co 3 00

Letters, intermediate pupils—22 entries:
First premium, Willmette Tp., Cook Co ..... Diploma and 5 00
Second premium, Dist. 10, Tp. 17, R 7, Sangamon Co 3 00

Arithmetic, advanced pupils—24 entries:
First premium, Dist. 1, Tp. 13, R. 5, Sangamon Co ..... Diploma and 5 00
Second premium, Dist. 8, Tp. 23, R. 1, McLean Co 3 00

Arithmetic, intermediate pupils—22 entries:
First premium, Willmette Tp., Cook Co ..... Diploma and 5 00
Second premium, Dist. 3, Tp. 25, R. 7, Ford Co 3 00

Geography and History—24 entries:
First premium, Willmette Tp., Cook Co ..... Diploma and 5 00
Second premium, Dist. 3, Tp., 25, R. 7, Ford Co 3 00

Geography, intermediate pupils—22 entries:
First premium, Dist. 5, Tp. 38, R. 12, Cook Co ..... Diploma and 5 00
Second premium, Dist. 3, Tp. 25, R. 7, Ford Co 3 00

Language, advanced pupils—23 entries:
First premium, Dist. 8, Tp. 23, R. 1, McLean Co ..... Diploma and 5 00
Second premium, Dist. 5, Tp. 11, R. 6, Peoria Co 3 00

Language, intermediate pupils—23 entries;
First premium, Dist. 4. Tp, 38, R. 12, Cook Co ..... Diploma and 5 00
Second premium, Dist. 6, Tp. 22, R. 7, Whiteside Co 3 00

Language, primary pupils—18 entries:
First premium, Dist. 9, Tp. 8, R. 7, Peoria Co ..... Diploma and 5 00
Second premium, Dist. 3, Tp. 25, R. 7, Ford Co 3 00

Writing, primary pupils—19 entries:
First premium, Dist. 1, Tp. 16, R. 7, Sangamon Co ..... Diploma and 5 00
Second premium, Dist. 4, Tp. 33, R. 5, La Salle Co 3 00

Botany—1 entry:
First premium, Roseland Tp., Cook Co ..... Diploma and 5 00

Physiology—4 entries:
First premium, Dist. 1, Tp. 16, R. 7, Sangamon Co ..... Diploma and 5 00
Second premium, Dist. 1, Tp. 8, R. 24, Ford Co 3 00

Natural Philosophy—1 entry:
First premium; Barrington Tp., Cook Co ..... Diploma and 5 00

Zoölogy—1 entry:
First premium, Roseland Tp., Cook Co ..... Diploma and 5 00

SWEEPSTAKES.

Exhibit by one country school of all the work for which premiums in first thirteen numbers, Lot 123 are offered—10 entries:
First premium, Dist. 2, Tp. 40, R. 13, Cook Co ..... Diploma and 10 00
Second premium, Dist. 3, Tp. 25, R. 7, Ford Co, ... 5 00
Third premium, Dist. 6, Tp. 22 R. 7, Whiteside Co 3 00

Set of three papers—3 entries:
First premium, Dist. 1, Tp. 16, R. 7, Sangamon Co.....Diploma and $10 00
Second premium, Dist 10, Tp. 17, R. 7, Sangamon Co..... 5 00
Third premium, Willmette Tp., Cook Co..... 3 00

Five Pencil Drawings—2 entries:
First premium, Dist. 5, Tp. 22, R. 7, Whiteside Co.....Diploma and 10 00
Second premium, Dist. 4, Tp. 24, R. 1, McLean Co..... 5 00

Five Crayon Drawings—No entry.

Five Maps—3 entries:
First premium, Dist. 10, Tp. 17, R. 7, Sangamon Co.....Diploma and 10 00
Second premium, Dist. 10, Tp. 39, R. 12, Cook Co..... 5 00
Third premium, Dist. 10, Tp. 37, R. 14, Cook Co..... 3 00

Book-keeping—2 entries:
First premium, Willmette Tp., Cook Co.....Diploma and 10 00
Second premium, Dist. 2, Tp. 13, R. 3, Johnson Co..... 5 00

County Superintendent of Schools of the county making the best exhibit of work entered for certain premiums in Lot 123—1 entry:
Premium, A, G. Lane, Chicago.....Diploma

Essay on "Illinois State Fair."—No entry.

Awarding Committee.—Silas Y. Gillan, Danville; Charles I. Parker, South Chicago; John H. Tear, Delavan.

Lot 124—High School Exhibit.

LANGUAGES.

Latin, first year work—3 entries:
First premium, Carrollton High School.....Diploma and $5 00
Second premium, Evanston High School..... 3 00

Latin, Cæsar—4 entries:
First premium, Evanston High School.....Diploma and 5 00
Second premium, Peoria High School..... 3 00

Greek, first year work—1 entry:
First premium, Evanston High School.....Diploma and 5 00

German, "Schiller"—1 entry:
First premium, Evanston High School.....Diploma and 5 00

MATHEMATICS.

Elementary Algebra—3 entries:
First premium, Evanston High School.....Diploma and 5 00
Second premium, Peoria High School..... 3 00

Plane Geometry—2 entries:
First premium, Chicago Manual Training School.....Diploma and 5 00
Second premium, Joliet High School..... 3 00

SCIENCES.

Physiology—2 entries:
First premium, Joliet High School.....Dioloma and 5 00
Second premium, Evanston High School..... 3 00

Astronomy—2 entries:
First premium, Evanston High School.....Diploma and 5 00
Second premium, Joliet High School..... 3 00

Natural Philosophy—3 entries:
First premium, Carrollton High School.....Diploma and 5 00
Second premium, Evanston High School..... 3 00

English Literature—3 entries:
First premium, Evanston High School.....Diploma and 5 00
Second premium, Joliet High School..... 3 00

MISCELLANEOUS.

Essays—4 entries:
First premium, Joliet High School.....Diploma and 5 00
Second premium, Peoria High School..... 3 00

Civil Government—3 entries:
First premium, Peoria High School.....Diploma and $5 00
Second premium, Joliet High School..... 3 00

Bookkeeping—1 entry:
First premium, Evanston High School.....Diploma and 5 00

SWEEPSTAKES.

To the High School whose papers in *six* of the foregoing subjects shall receive the highest award—2 entries:
First premium, Evanston High School.....Diploma and 10 00

To the High School whose papers in *ten* of the foregoing subjects shall receive the highest award—2 entries:
First premium, Evanston High School.....Diploma and 10 00

Five Pencil Drawings—3 entries:
First premium, Danville High School.....Diploma and 10 00
Second premium, Englewood High School..... 5 00
Third premium, Cook County Normal School..... 3 00

Five Crayon Drawings—2 entries:
First premium, Englewood High School.....Diploma and 10 00
Second premium, Cook County Normal School..... 5 00

Five Maps—1 entry:
First premium, Joliet High School.....Diploma and 10 00

Machine-Shop Work—1 entry:
First premium, Chicago Manual Training School.....Diploma and 10 00

Forge-Work—1 entry:
First premium, Chicago Manual Training School.....Diploma and 10 00

Wood-Work—1 entry:
First premium, Chicago Manual Training School.....Diploma and 10 00

Exhibit for Three Preceding Premiums—1 entry:
First premium, Chicago Manual Training School.....Diploma and 10 00

Object Drawing—3 entries:
Premium, Cook County Normal School.....Diploma and 10 00

Object Painting—2 entries:
Premium, Cook County Normal School.....Diploma and 10 00

Essay on "Illinois State Fair"—No entry.

Awarding Committee—Silas Y. Gillan, Danville; Charles I. Parker, South Chicago; John H. Tear, Delavan.

Lot 125—Commercial Penmanship.

No premium awarded in this lot, but every facility afforded for exhibition.

Lot 126—Taxidermy, Mineralogy and Conchology.

Collection of Minerals and Fossils—3 entries:
First preminm, W. R. Head, Hyde Park..... $50 00
Second premium, J. M. Wiers, Chicago..... 20 00

Collection of Illinois Birds and Mammals—4 entries:
First premium, Wm. Shaw, Chicago..... 40 00
Second premium, Wm. Braddock, Springfield..... 20 00

Conchology of Illinois—2 entries:
First premium, H. S. Hackman, Peru..... 20 00
Second premium, J. M. Wiers, Chicago..... 10 00

Display of Mound Relics—4 entries:
First premium, J. M. Head, Hyde Park..... 50 00
Second premium, H. S. Hackman, Peru..... 20 00

Awarding Committee—E. C. Dunn, Rockford; Enoch Root, Chicago; M. A. Morse, Chicago.

Lot 127—Entomology, Etc.

Collection of Insects—3 entries:
First premium, Wm. Braddock, Springfield..... $30 00
Second premium, Wm. Braddock, Springfield..... 15 00

Collection of Woods of Illinois—2 entries:
First premium, H. S. Hackman, Peru..... $20 00
Second premium, Wm. Braddock, Springfield..... 10 00

Botany of Illinois—2 entries:
First premium, Frank M. McDaniel, Aurora..... 20 00
Second premium, James Carter, Oak Park..... 10 00

Awarding Committee—D. S. Heffron, Washington Heights; H. D. Emery, Chicago.

Lot 128—Musical Instruments.

No premiums awarded in this lot, but every facility afforded for exhibition.

Lot 129—Printing, Engraving, Etc.

Specimen Lithography—No entry.

Engraving, Copper-plate—No entry.

Engraving, Wood cut—No entry.

Wood Carving—No Entry.

White Wax-work—3 entries:
First premium, Mrs. Ella McDonald, Chicago..... $2 00
Second premium, Mrs. L. J. Hewitt, Chicago..... 1 00

Colored Wax-work—3entries:
First premium, Mrs. Ella McDonald, Chicago..... 2 00

Work in Hair—No entry.

Imitation of Fruit—1 entry:
First premium, Mrs. L. J. Hewitt, Chicago..... 2 00

Agricultural Wreath—No entry.

Shell Work—1 entry.
First premium, Mrs. L. J. Hewitt, Chicago..... 2 00

Work with Indelible Fluid—No entry.

Awarding Committee—C. D. Tufts, Centralia; Charles E. Crowe, Chicago.

Lot. 130—Photography, Etc.

No premium awarded in this lot, but every facility afforded for exhibition.

Lot 131—Architectural and Mechanical Drawing.

Drawing, plan and specification for Rural Residence, cost $1,000—No entry.

Drawing, plan and specification for Rural Residence, cost $2,500—No entry.

Drawing, plan and specification for Farm Barn, cost $500—No entry.

Drawing, plan and specification for Farm Barn, cost $1,000—No entry.

Drawing, plan and specification for Farm Barn, cost $2,500—No entry.

Drawing, plan and specification for Farm House and Out Buildings—No entry.

Drawing, plan and specification for District School House—No entry.

Collection of Architectural and Mechanical Drawings—No entry.

Exhibition of Work from any Manual Training School in Illinois—No entry.

CLASS M—AGRICULTURAL IMPLEMENTS.

B. PULLEN, *Superintendent.*

No premium awarded in this class, but every facility afforded for exhibition.

CLASS N—DAIRY.

E. E. CHESTER, *Superintendent.*

Lot 138—Butter and Cheese.

Dairy Butter—4 entries:	
First premium, D. C. Wolverton, Belvidere	$10 00
Second premium, J. Colvin, Kingston	5 00
Creamery Butter—3 entries:	
First premium, D. C. Wolverton, Belvidere	10 00
Second premium, J. Colvin, Kingston	5 00
Print Butter—3 entries:	
First premium, D. C. Wolverton, Belvidere	10 00
Sample Butter in above lots—4 entries:	
Premium, D. C. Wolverton, Belvidere	15 00
Flat Cheese—3 entries:	
First premium, F. L. Cook & Co., Chicago	10 00
Second premium, J. Colvin, Kingston	5 00
Cheddar Cheese—3 entries:	
First premium, J. Colvin, Kingston	10 00
Second premium, F. L. Cook & Co., Chicago	5 00
Young America Cheese—3 entries:	
First premium, J. Colvin, Kingston	10 00
Second premium, F. L. Cook & Co., Chicago	5 00
Sample Cheese in above lots—3 entries:	
Premium, J. Colvin, Kingston	15 00

Awarding Committee—F. A. Tripp, Chicago; Emily Kershaw, Wayne; D. W. Wilson, Elgin.

Lot 139—Dairy Implements.

No premiums awarded in this class, but every facility afforded for exhibition.

MINUTES OF MEETINGS HELD DURING THE NINTH ANNUAL AMERICAN FAT-STOCK AND DAIRY SHOW.

EXPOSITION BUILDING,
CHICAGO, November 8, 1886.
MONDAY, 9 o'clock A. M.

The Board met in special session on the call of the President.

Present—President Landrigan, Vice-Presidents Pearce, Morse, Reynolds, Griffith, Dysart, Lewis, Virgin, Funk, Chester, Skeavington, Gore and Gillham.

Mr. Lewis stated that there was a very limited number of entries in the light horse rings, owing to lack of information on the part of many who would be exhibitors in Chicago, as to the time of closing entries.

Mr. Gore moved that the time for making entries in the rings for light horses be extended to the evening prior to the day of showing.

Mr. Reynolds moved as a substitute,

That the time for entries in rings for light horses in which there are not exceeding two exhibitors, be extended until the days of exhibition respectively, the consent of the party or parties having made the entries being first obtained to this modification of the rule, and that the Superintendent of that Department be and he is hereby authorized to establish other rings in the light horse department, not exceeding in the offer of prizes the aggregate amount of the present list.

The ayes and nays being called for, the vote on the substitute was as follows:

Ayes—Messrs. Landrigan, Morse, Reynolds, Griffith, Virgin and Skeavington—total, 6.

Nays—Messrs. Pearce, Dysart, Lewis, Funk, Gore and Gillham—total, 6.

The substitute not having received a majority of the votes cast, was declared lost.

The ayes and nays being called for on the motion of Mr. Gore, the following vote was recorded:

Ayes—Messrs. Pearce, Griffith, Dysart, Lewis, Funk, Gore and Gillham—total, 7.

Nays—Messrs. Landrigan, Morse, Reynolds, Virgin and Skeavington—total, 5.

The motion of Mr. Gore was declared adopted.

Motion of Mr. Dysart adopted,

That the Superintendent of the Building be authorized to make necessary arrangements for the protection of the Exposition Building from fire during the continuance of the Fat Stock Show.

Mr. Funk, Superintendent of Cattle, stated that the Wyoming Cattle Company of Cheyenne, has shipped stock for exhibition, but that the application for entry of the same has not been received owing to delay in the mails.

Motion of Mr. Morse adopted,

That the Secretary be authorized to receive the entries of the Wyoming Cattle Company.

On motion of Mr. Funk, the Board adjourned to 9 o'clock A. M. to-morrow.

Exposition Building,
Chicago, November 10, 1886.

Wednesday, 9 A. M.

The Board met in special session on the call of the President.

Present—President Landrigan, Vice-Presidents Pearce, Reynolds, Dysart, Virgin, David, Rush, Judy, Funk, Chester, Skeavington, Gore, Gillham and Washburn.

Mr. Virgin moved that only steers or spayed heifers over six months of age be allowed to compete for the premiums offered for "gain per day" and "cost of production." By current consent the motion was withdrawn.

Mr. Griffith, Superintendent of the Poultry Department, stated that the officers of the Western Poultry Association had succeeded in securing a very large and creditable exhibition of poultry, which was among the attractions of the Fat Stock Show, and that he had been asked for complimentary tickets for some of the officers of the Poultry Association.

Motion of Mr. Reynolds adopted,

That the matter of issuing complimentary tickets to the officers and directors of the Western Poultry Association be referred to

Mr. Griffith, with authority to make requisition upon the Superintendent of Tickets for such number of complimentary tickets as may in his judgment be required.

Motion of Mr. Reynolds adopted,

That the Secretary be authorized to make arrangements for the sale of the official catalogues of the Show, at a price not to exceed five cents per copy.

Prof. Manley Miles of Michigan appeared before the Board and requested permission to take photographs of the animals on exhibition, for the Agricultural College of Michigan.

Motion of Mr. Reynolds adopted,

That the request of Prof. Miles be granted, and that every reasonable facility be extended him in the matter.

The following judges having been recommended by the Committee appointed to select expert butchers, were examined by the Board and, on motion of Mr. Chester, designated to make the awards on live stock, viz:

J. G. Imboden	Decatur, Ill.
W. H. Leonard	Louisville, Ky.
A. H. Heineman	Belleville, Ill.
F. P. Widmayer	Virginia, Ill.
Jacob Bishop	Belleville, Ill.
A. H. Hastings	Upper Alton, Ill.
A. S. Trostle	
J. H. Bunn	Peoria, Ill.
Charles Bunn	Peoria, Ill.

Mr. Funk stated that the following gentlemen had been recommended to award the Washburn prizes for slaughtering cattle, viz:

Adolph Edelmuth	New York City.
S. F. Woodbridge	Boston, Mass.
W. A Stantz	Bloomington, Ill.

Motion of Mr. Judy adopted,

That the gentlemen named be designated to award the Washburn prizes.

Motion of Mr. Gillham adopted,

That the gentlemen selected to award the prizes on horses be allowed the same compensation for services as at the Fair.

On motion of Mr. Judy, the Board adjourned to 9 o'clock A. M. to-morrow.

Exposition Building,
Thursday, November 11, 9 o'clock A. M.

Board met as per adjournment.

Mr. Dysart in the chair.

Present—Messrs. Reynolds, Griffith, Dysart, Lewis, Virgin, Rush, Judy, Funk, Chester, Skeavington, Gore and Gillham.

The following protest was read:

To the Honorable State Board of Agriculture:

We desire to enter protest against the yearling steer, Charlie, shown as a Short-Horn in Lot I for premium No. 3.

He was shown last year as a Grade Short-Horn in Lot 6. He was either shown last year under false pedigree and was ineligible, or else is ineligible to the class in which he is now entered.

(Signed) J. R. PEAK & SON.

CHICAGO, November 10, 1886.

Mr. Waddel was invited to appear before the Board and stated that the protested steer was shown as a grade Short-Horn at the Fat Stock Show of 1885, for the reason that the pedigree of his dam had not been admitted to record, owing to lack of needed information concerning her ancestors, but that recently the pedigree had been extended, and that there was no longer any doubt as to the steer being a pure bred Short-Horn.

Motion of Mr. Chester adopted,

That the matter be referred to Mr. Judy for investigation and report.

Advertising bills were presented by newspapers in Chicago for payment, the bills not having been contracted for by the Printing Committee.

Motion of Mr. Lewis adopted,

That the bills be referred to the Printing Committee, with authority to act.

Mr. Gillham, Superintendent of the Building, stated that several parties had made application for permission to sell horses and cattle in the Exposition Building during the continuance of the Show.

Motion of Mr. Chester adopted,

That permission be granted such applicants for the sale of stock, and that the Superintendent be authorized to prepare a suitable ring for such sales.

Mr. Funk introduced the following resolution, which was adopted on motion of Mr. Lewis:

WHEREAS, The International Association of Fairs and Expositions will hold their Fourth Annual Meeting in the City of Chicago on the 15th and 16th of December, 1886; therefore, be it

Resolved, That the President of this Board be requested and instructed to appoint three members of this Board as delegates to same meeting, and that the entire Board be invited as a Reception Committee to be present at said Convention and assist in entertaining the delegates in attendance at the meeting, who for the time will be the guests of our own State.

Hon. Wm. S. Taylor, of Burlington, New Jersey, was invited to address the Board in the interest of the American Exhibition to be held in London in 1887.

Motion of Mr. Virgin adopted,

That the further consideration of the matter be deferred until the winter meeting of the Board.

On motion of Mr. Judy, the Board adjourned to 9 o'clock A. M. to-morrow.

EXPOSITION BUILDING,
CHICAGO, November 12, 1886.

FRIDAY, 9 o'clock A. M.

The Board met as per adjournment.

President Landrigan in the Chair.

Present—President Landrigan, Vice-Presidents Reynolds, Dysart, Virgin, David, Rush, Judy, Funk, Chester, Skeavington, Gore and Gillham.

Mr. Judy reported that he had investigated the pedigree of the Short-Horn steer, Charlie, exhibited by Mr. B. Waddel, of Marion, Ohio, and that the records in the office of the American Short-Horn Association confirmed the statement of Mr. Waddel.

Motion of Mr. Chester adopted,

That the protest of Mr. Peak against the eligibility of Mr. Waddel's steer Charlie, showing in the Short-Horn ring, be declared not sustained.

Motion of Mr. Gillham adopted,

That Mr. Pearce be appointed a committee to collect the cash subscriptions to the premium and expense fund of the American Fat Stock Show.

Mr. David stated that owing to the absence of some of the committeemen, he was unable to proceed with the awarding of premiums.

Motion of Mr. Judy adopted,

That Mr. David be authorized to select competent butchers to fill vacancies in committees caused by sickness and absence of regular committeemen.

The following report of the committee on ages was read and on motion of Mr. Dysart adopted:

CHICAGO, November 10, 1886.

To the Illinois State Board of Agriculture:

Your committee to whom was referred the examination of ages of cattle, beg leave to submit the following report:

That we have carefully examined all cattle entered for competition in Fat Stock Show and find that their ages in all cases correspond with the ages as given in entries made by their respective owners. Respectfully submitted.

WM. FOLSETTER, V. S.,
J. L. MOORE,
WILLIAM STEWART.

Motion of Mr. Judy adopted,

That a committee of three be appointed to examine the statement of exhibitors and determine upon the awards in the rings for cost of production and gain per day.

The President appointed as said committee Messrs. Judy, Rush and Mills.

The proposition of certain parties to give an exhibit of horseback riding on wild ponies, was, on motion of Mr. Dysart, referred to Mr. Gore, with power to act.

Motion of Mr. Gillham adopted,

That the Secretary be directed to sell the catalogue of the Show at ten cents per copy, instead of five cents, as heretofore voted by the Board.

The following protest was read:

SPRINGFIELD, ILL., November 11, 1886.

To the Illinois State Board of Agriculture:

GENTLEMEN—We the undersigned do protest against all wethers exhibited by Mr. Rutherford, Canada, in Class C, Lot 36, Oxford Downs, on the grounds that we believe said sheep are not purely bred, and that they are not eligible for registry in the American Oxford Down Record.

(Signed) STONE & LOAKE.

STATE OF ILLINOIS, COOK COUNTY. } ss.

William T. Loake, being first duly sworn on oath says that the above statement is true to the best of his knowledge and belief.

Affiant further says that he is a member of the firm of Stone & Loake.

(Signed) WILLIAM F. LOAKE.

Subscribed and sworn to before me this eleventh day of November, A. D. 1886.

W. L. GILLHAM, Notary Public.

Motion of Mr. Chester adopted,

That the protest be referred to the Superintendent of the Sheep Department for investigation and report. On motion of Mr. Gillham, the Board adjourned subject to the call of the President.

EXPOSITION BUILDING,
CHICAGO, November 13, 1886.

SATURDAY, 9 o'clock A. M.

Board met on call of the President.

Present—President Landrigan, Vice-Presidents Morse, Reynolds, Griffith, Dysart, Virgin, Vittum, David, Rush, Judy, Funk, Chester and Skeavington.

Mr. Funk reported that the refrigerator constructed for cooling the carcasses slaughtered, was not large enough to accommodate all the animals entered in the killing classes, that certain exhibitors whose animals were evidently not prize winners could be induced to withdraw such from competition if permitted to do so by the Board.

Motion of Mr. Judy adopted,

That Mr. Funk be authorized to cancel such entries in the slaughter class as might be agreeable to exhibitors, but not of prize animals designated by the rules for slaughter.

On motion of Mr. Chester,

The Board adjourned subject to the call of the President.

EXPOSITION BUILDING,
CHICAGO, November 16, 1886.

TUESDAY, 9 o'clock A. M.

Board met in special session on the call of the President.

Present—President Landrigan, Vice-Presidents Griffith, Lewis, Virgin, Vittum, David, Rush, Chester and Gillham.

Mr. Gillham called attention to the contract with the Exposition Company requiring the Board to deoderize the building at the close of the Fat Stock Show.

Motion of Mr. Chester adopted,

That Mr. Gillham, as Superintendent of the Building during the Show, be authorized to make necessary arrangements for complying with the contract in reference to the matter of deoderizing the building at the close of the Show.

The following protest was read:

CHICAGO, ILL., November 16, 1886.

To the State Board of Agriculture:

GENTLEMEN—We the undersigned do protest against your paying the Grand Sweepstakes Prize on butter to J. Colvin, of Kingston, Ill.

Reasons for said protest are that one of the judges, Mr Wolverton, of Belvidere, Ill., has bought and handled Mr. Colvin's butter for the past two (2) years, and that he could tell it by having bought and handled it as soon as he came to it.

(Signed) C. E. FRINK,
F. D. HOLMES.

STATE OF ILLINOIS, } ss.
COOK COUNTY. }

The above protest was signed and sworn to before me this 16th day of November, A. D. 1886.

W. L. GILLHAM, Notary Public.

On motion of Mr. Gillham, the special order for 10 o'clock A. M. Thursday, November 18, 1886, was made the consideration of the protest.

The following protest was read:

JESSUP, IOWA, November 16, 1886.

To the Board of Agriculture, National Stock Show and American Show:

GENTLEMEN—I hereby protest against the decision made in Class N, Lot 94, No. 334, best display of Domestic Cheese, as it was not awarded me for want of competition, and I did not learn of it until this morning, and I sent time and mode of manufacture as called for by the Secretary.

My exhibit consisted of sixteen cheese.

I also protest against award in Lot 87, No. 312, being made 2d premium, as there was no such premium offered and should have been made 1st premium.

(Signed) A. M. BINGHAM.

Subscribed and sworn to before me this 16th day of November, A. D. 1886.

W. L. GILLHAM, Notary Public.

On motion of Mr. Virgin,

The consideration of the protest of Mr. Bingham was made the special order for 10 o'clock A. M. Wednesday, November 17, 1886.

On motion af Mr. Gillham,

The Board adjourned to meet at 9 o'clock A. M. to-morrow.

EXPOSITION BUILDING,
CHICAGO, November 17, 1886.

WEDNESDAY, 9 o'clock A. M.

The Board met as per adjournment.

President Landrigan in the Chair.

Present—President Landrigan, Vice-Presidents Reynolds, Griffith, Dysart, Lewis, Vittum, Rush, Chester, Skeavington and Gillham.

The special order being the consideration of the protest of Mr. Bingham, Mr. Chester made a statement of the facts in the case, whereupon Mr. Rush moved that the action of the committee be approved, and that the protest be declared not sustained, which motion was not adopted.

Motion of Mr. Gillham adopted,
That the further consideration of the protest be postponed until the winter meeting of the Board.

Mr. Lewis reported that in the ladies' equestrian ring he had awarded a sixth premium, of a ladies' riding whip valued at $10.

Motion of Mr. Chester adopted,
That the action of Mr. Lewis be approved.

Mr. Vittum moved that the meeting of the delegates in attendance at the meeting of the National Railroad Conductors' Association, now in session in Chicago, be invited to attend the Fat Stock Show in a body.

Motion of Mr. Gillham adopted,
That a committee be appointed to wait upon the Conductors Association and present the invitation.

The President appointed as such committee Mr. Gillham.

Mr. Lewis presented the claim of A. J. Caton, Esq., of Chicago, asking the return of $100 paid as stall and entrance fees at the American Horse Show.

On motion of Mr. Gillham,
The consideration of the claim of Mr. Caton was made the special order for 10 o'clock A. M. to-morrow.

Motion of Mr. Vittum adopted,
That the superintendents of the sheep and swine departments be authorized to cancel such entries in the slaughter class as might be agreeable to exhibitors and not including animals designated for slaughter under the rules.

Motion of Mr. Chester adopted,
That Mr. Dysart be authorized to adjust outstanding claims for meal tickets issued during the late Fair.

The following communication from the Illinois Short-Horn Breeders' Association, was read:

To the Honorable State Board of Agriculture:

It is the desire of the Illinois Short-Horn Association, the Holstein-Friesian, the Illinois Swine Breeders and the Illinois Wool Growers' Associations, and a large number of horse and cattle breeders of the State, that the various live stock associations in this State hold their annual meetings during the same week at Springfield.

In order to accomplish this purpose and to unite all the stock interests of the State in a State Convention, we respectfully petition the State Board of Agriculture to call a convention of the stock breeders of Illinois, to be held during the coming winter.

In behalf of the Illinois Short-Horn Breeders' Association.

P. A. COEN,
W. H. FULKERSON,
A. B. HOSTETTER,
Committee.

Mr. Gillham moved that the President and Secretary of the Board be instructed to issue a call for a meeting of the live stock breeders of Illinois.

Mr. Reynolds moved to amend by authorizing the Secretary to extend the invitation to the live stock breeders associations of the State and request them to agree upon the date to be inserted in the call for the meeting at Springfield. Amendment adopted and motion as amended adopted.

Motion of Mr. Gillham adopted,

That Mr. Lewis, as Superintendent of Light Horses, be authorized to arrange for such exhibits of horses as will attract the public.

Motion of Mr Dysart adopted,

That Mr. Lewis be authorized to arrange such classification of prizes as will insure attractive displays of horses and keep up the interest in the show ring, and, if necessary, admit horses to competition without charging an entrance fee.

On motion of Mr. Chester, the Board adjourned to meet at 9 o'clock A. M. to-morrow.

EXPOSITION BUILDING,
CHICAGO, November 18, 1886.

THURSDAY, 9 o'clock A. M.

The Board met as per adjournment.

Mr. Dysart in the Chair.

Present—President Landrigan, Vice-Presidents Pearce, Griffith, Dysart, Lewis, Virgin, Vittum, David, Rush, Judy, Chester, Skeavington, Gillham, Pullen and Washburn.

The special order being the consideration of the protest of Messrs. Frink and Holmes vs. Colvin, Mr. Chester stated that the members of the committee had acted upon their best judgment, and made the award upon the quality of the butter and without information as to the ownership of the package receiving the prize.

Motion of Mr. Landrigan adopted,

That the action of the committee be approved, and that the protest be declared not sustained.

On motion of Mr. Gillham, the consideration of the claim of A. J. Caton, Esq., for stall and entrance fees was made the special order for 10 o'clock A. M. to-morrow.

The following resolution, introduced by Mr. Pearce, was adopted on motion of Mr. Judy:

WHEREAS, One of the most striking attractions of the Ninth American Fat Stock Show is the extensive and very complete display of all the varieties of corn, made by Orange Judd & Sons, of the Prairie Farmer Company of Chicago; and

WHEREAS, This, the chief American cereal, in the extent of its annual production in the United States, is nearly double that of all the other grains combined; and

WHEREAS, The corn crop of this year would sell in the Chicago market for one hundred millions of dollars more than the total value of the 1886 crops of wheat, oats, rye and barley; and

WHEREAS, Orange Judd & Sons, Editors of the Prairie Farmer of Chicago, have manifested a most commendable interest in the improvement of corn and in encouraging producers from all parts of the country to make a large and creditable exhibition of this cereal at this Show, and have offered liberal premiums therefor, aggregating over seven hundred dollars; and

WHEREAS, Over five hundred exhibitors residing in the leading corn-producing States have been induced by these premiums to contribute over fifteen thousand magnificent specimens to the unparalleled display of corn that has challenged the admiration of all who have attended the Show; therefore, be it

Resolved, That the thanks of the Illinois State Board of Agriculture are due and hereby tendered to Orange Judd & Sons, of the Prairie Farmer, for the enterprise and public spirit manifested in offering such liberal premiums and the earnest efforts that have resulted in securing the largest exhibit of corn ever before made.

Resolved, That Messrs. Orange Judd & Sons be invited to continue the holding of exhibitions of corn in connection with the American Fat Stock Show, and that all interested in the production and use of corn be requested to heartily co operate with the gentlemen named in any future work they may undertake in this direction.

(Signed) J. IRVING PEARCE.

Motion of Mr. Chester adopted,

That the Superintendent of the Building be authorized to have the Exposition Building cleaned after the close of the Show, and the cases replaced according to the specifications in contract.

The following protest was read:

To the State Board of Agriculture:

Your petitioner would hereby enter his protest against the hog "Roundy," owned and shown by Jesse Taylor, and hereby protest against any moneys being paid him, that he may have won at this show, on the grounds that I am informed that the same animal was entered and shown at Kansas City under the name 'Dandy," by Mr W. P. Hayzlett as 444 days old, and is here shown by Mr. Taylor in this show 349 days.

Your petitioner would further state that this information was only obtained this afternoon, and consequently could not make protest at any earlier time.

(Signed) R. J. STONE, STONE & LOAKE.

Signed and sworn to before me this 16th day of November, A. D. 1886.

W. L. GILLHAM, Notary Public.

On motion of Mr. Virgin,

The consideration of the protest of Messrs. Stone & Loake vs. Jesse Taylor, was made the special order for 10 o'clock A. M. to-morrow.

On motion of Mr. Judy, the Board adjourned to 9 o'clock A. M. to-morrow.

EXPOSITION BUILDING,
CHICAGO, November 19, 1886.

FRIDAY, 9 o'clock A. M.

Board met as per adjournment.

President Landrigan in the Chair.

Present—President Landrigan, Vice-Presidents Pearce, Morse, Reynolds, Griffith, Dysart, Lewis, Virgin, Judy, Funk, Chester, Skeavington, Gillham, Pullen and Washburn.

The following communication was read:

CHICAGO, November 16, 1886.

La Fayette Funk, Esq., Superintendent Class A, Cattle:

DEAR SIR—I will give the highest market price for the hides and tallow of the animals slaughtered at the Fat Stock Show, viz: 8 cents for hides and 4 cents for tallow.

LOUIS PFAELZER.

On motion of Mr. Chester, the proposition of Mr. Pfaelzer was accepted.

The special order being the consideration of the claim of Mr. A. J. Caton for return of stall and entrance fees, the following communication was read:

FIFTH AVENUE HOTEL.
MADISON SQUARE, New York, November 1, 1886.

Charles F. Mills, Springfield, Ill.:

DEAR SIR—I wrote to Mr. Lewis telling him that I understood the Board had invited me to show my stock, and that if I could get ten box stalls would come. That Mr. Virgin said he had no authority to make box stalls, but Mr. Lewis said he had heard nothing of it.

I am surprised as you told me the Board had passed such a resolution. However, Mr. Lewis suggested that I enter my stock and as soon as they met would see what they could do. So I enclose my entries *with this condition*, that unless I can have ten good box stalls the entries are not to be made. So I enter on that condition. And telegraph me at your earliest possible moment, as I want to leave by express Sunday night with the stock, so that I can reach Chicago Tuesday morning.

The Cassocks are attracting a great deal of attention.

Enclosed check for $100. If this is not correct, will make it so, only don't deposit this check until the Board meet and decide whether I can have the box stalls. I want to do all in my power to make your show a success and will do so, but I must have box stalls, so telegraph me at your earliest convenience.

Yours truly,

A. J. CATON.

Motion of Mr. Judy adopted,

That the fees paid by Mr. Caton be refunded on duly approved voucher.

Mr. Judy moved,

That exhibitors be permitted to remove stock at 10 o'clock this morning.

Mr. Lewis moved as a substitute,

That 10 o'clock this morning be designated as the hour for closing the show. Substitute withdrawn by consent.

The vote recurring on the motion of Mr. Judy, it was declared lost.

Motion of Mr. Lewis adopted,

That the President and Superintendent of Class A, cattle, be requested to recall orders granting certain exhibitors the privilege of removing their stock before the close of the show.

CARLINVILLE, November 16, 1886.

Capt. Irving Pearce, Chicago, Ill.:

DEAR SIR—Sometime since we wrote you about an old German gentleman, who feels sure, without a doubt or question, that he is able to cure the cattle disease known as pleuro-pneumonia. He was just this moment in my office, and wanted me to make the following proposition: That he is ready to go to any place in this State where the diseased cattle may be located, and at $1.00 per head cure the sick ones, and prevent the spreading of the disease among cattle in the same place. He is ready to go on the proposition, no cure no pay, which certainly seems a fair one. I am fully convinced in my own mind, that the old gentleman is able to perform all that he claims to. I enclose you printed copies, and as your Board is now in session, I should esteem it a personal favor if you will present this matter. Kindly let me hear from you.

Very truly yours,

HENRY C. YAEGER.

PLEURO-PNEUMONIA IN CATTLE.

Pleuro-pneumonia. This extremely malignant disease consists in an abnormal, irregular accumulation of water in the cavity of the chest, and, as a matter of consequence, in an enlargement and callousness of the lungs, and appears partly sporadic in single cases, here and there, and partly enzotic in different counties, at one and the same time.

It is principally found in low, damp swampy plains, where the cattle enjoy a fat, succulent pasture, in green meadows and low, level lands, bordering on rivers; therefore, just in those places which comprise the best pasture for cows; but it is also found elsewhere, chiefly in such places which are exposed to chills and inundations in spring and fall.

The first indications of pleuro-pneumonia are the following:

A heavy, short, asthmatic breathing, which increases with every motion of the animal; a strange uneasiness when it tries to lie down, and a weariness when lying.

When the diseased cattle find more rest on one side than on the other, they then suffer from water on one side only, but if they can lie on neither side, they then suffer from water in both sides.

Cattle afflicted with pleuro-pneumonia lie down very seldom, and only when they feel extremely fatigued, and then drop with their hind part first, seldom rest on their sides, but on the lower part of their chest and belly. Often they rest only a little on their bent knees, and jump soon up again. The appearance around the eyes, nose, mouth, tongue and jaw, is bleached and bloated, the eyes are drawn back, faint and damp, the interior of the nose is covered with a sticky slime, and the tongue covered with a greasy saliva. The white in the eye is not inflamed, the incisors are loose and rickety. The afflicted always ruminate, standing or jumping, soon again, when they lie down during rumination; they also ruminate seldomer. The head is not bent down; the secretion of milk diminishes. The patients become gloomy and lazy in gait.

These symptoms are observed several weeks, when, therefore, after a wet, chilly spring or fall, here and there, a cow begins to cough when it lies down less than usual, and when thereby its milk diminishes. This cough is suspicious, and pleuro-pneumonia, in all probability, is incipient.

This cough can easily be distinguished from a common catarrhal cough, inasmuch as in the latter case the milk does not become exhausted, the cows eat and ruminate as usual, and feel no discomfort when lying down; in fact, no disturbance in the functionaries is to be witnessed.

In case pleuro-pneumonia should break out in any district among cattle, I am ready and willing to cure the afflicted and protect the healthy from infection free of any charge. My address can be learned at the office of The Drovers' Journal, Chicago, Ill.

R. T. A.

Motion of Mr. Reynolds adopted,

That the communication and circular be referred to the State Board of Live Stock Commissioners.

Motion of Mr. Judy adopted,

That President Landrigan be made the chairman of the delegation appointed to represent the Board in the meeting of the International Association, and that he appoint his two associates.

The President appointed as associate members of the delegation Messrs. Judy and Virgin.

Motion of Mr. David adopted,

That Secretary Mills be added to the delegation to the International Association of Fairs and Expositions.

Motion of Mr. Washburn adopted,

That the Board be appointed a reception committee for the International Association, and that the members be requested to attend in a body and assist in entertaining the fair managers of the country during their visit in Illinois.

The special order being the consideration of the protest of Stone & Loake vs. Taylor, and coming up, the following statement was read from the breeder of the animal in question as well as recent telegram, viz:

KANSAS CITY, October 29, 1886.

This day I sold to Jesse Taylor the barrow Roundy, farrowed November 29, 1885.

Sire, Look no Further 2d No. 2261; dam, Mollie 2d, by Topsy 2400; Topsy, sired by Duke of Edinburg 303.

(Signed) W. P. HAYZLETT, Bolckow, Mo.

(Telegram.)

BOLCKOW, Mo., November 17, 1886.

To E. B. David, Sherman House, Chicago:

Largest hog name Joe, age one year four months; small hog name Dandy, age one year three months.

W. P. HAYZLETT.

Mr. Taylor was invited to appear before the Board and stated that he purchased two hogs of Mr. Hayzlett at the Kansas City Fat Stock Show, for his son, Jesse Taylor, who had one of the hogs on exhibition, concerning which there was a question as to the age, which he had represented according to the statement received from Mr. Hayzlett, and which had been read.

The following report of the Committee on Ages was then read:

November 17, 1886.

To the State Board of Agriculture, Illinois:

We, the committee appointed by you to examine ages of hogs, beg leave to report that Poland-China hog entered in Class D, Lot 51, property of Jesse Taylor, of Waynesville, entered by name of Roundy, as being three hundred and forty-nine days old, in our opinion is four hundred and fifty days old.

Respectfully yours,

(Signed) WM. FOLSETTER, V. S.
J. L. MOORE.

Motion of Mr. Dysart adopted,

That the further consideration of the protest of Stone & Loake vs. Taylor, be postponed until the winter meeting of the Board, and that the interested parties be so notified.

On motion of Mr. Chester,

The Board adjourned subject to the call of the President.

MINUTES OF THE FINAL SESSION OF THE ILLINOIS STATE BOARD OF AGRICULTURE, ELECTED FOR 1885-1886.

ROOMS DEPARTMENT OF AGRICULTURE,
SPRINGFIELD, Ill., January 4, 1887.

MORNING SESSION.

Board met in annual session.

President Landrigan in the Chair.

Present—President Landrigan, Vice-Presidents Pearce. Morse, Vaughan, Reynolds, Griffith, Haskell, Dysart, Virgin, Vittum, David, Rush, Judy, Funk, Chester, Gore, Gillham and Washburn.

The minutes of the meetings of the Board during the late Fat Stock Show were read, and, on motion of Mr. Gillham, approved.

Secretary's report read, and, on motion of Mr. Rush, ordered spread upon record.

To the Illinois State Board of Agriculture:

The by-laws of the Board make it the duty of the Secretary to present such suggestions as may tend to secure the best results from the operations of the Board, as well as to submit at the close of each year a report concerning the performance of the duties assigned the office.

OFFICE WORK.

In addition to the correspondence, circulars and announcements sent out from the office during the past year, the following reports, etc., have been prepared, published and distributed:

It will be seen that over seventeen hundred printed pages of matter have been prepared and proof read during the past twelve months, and seventy-seven thousand copies of the various reports have been sent out during the year 1886:

	January..	February.	March,...	April.....	May	June.....	July	August...	September	October...	November	December.	Total pages...	Total copies...
Meteorological, pages.....	28	30	41	33	33	32	32	28	25	28	32	40	382	24,000
Crop statistics, pages.....	*82	....	....	52	40	60	40	52	....	....	....	....	326	18,000
Report fat stock, pages.....	....	....	354	....	....	....	....	....	....	....	....	....	354	5,000
Premium list Fair, pages.....	....	....	....	....	....	110	....	....	....	....	....	....	110	10,000
Annual report, pages.....	....	....	....	....	....	....	411	....	....	....	....	....	411	10,000
Premium list Fat Stock, pages.	....	....	....	....	....	....	....	....	58	....	....	....	58	5,000
Catalogue Fat Stock, pages....	....	....	....	....	....	....	....	....	....	....	106	...	106	5,000
Annual statistics report, pages.	....	....	....	....	....	....	....	....	....	....	....	....	.....	.....
Total pages.....	110	30	395	85	73	202	483	80	83	28	138	40	1,747	77,000

*December, 1885.

CORRESPONDENCE.

The extent of the correspondence of the office is something of an index of the increase in the work performed by the Board.

The following table gives the number of communications sent out from the office for a term of years as shown by the letter books on file:

Year.	Miscellaneous.	Members Board.	Fat Stock Show.	State Fair.	Meteorological.	Statistical.	Total.
Total 1886.. ..	2,502	812	1,645	1,475	1,340	223	7,997
" 1885.....	3,800	1,049	2,492	704	330	297	8,672
" 1884.....	1,263	526	252	806	26	542	3,415
" 1883.....	810	572	299	397	12	270	2,860
" 1882.....	1,051	451	325	336	131	282	2,576
" 1881.....	1,173	502	251	1,310	47	375	3,658

SHIPMENTS.

There has been a marked increase in the number of shipments of the various publications of the Board during the past year as compared with previous years, and 1,046 packages have been shipped by express and freight from the office since January 1, 1886.

FINANCES.

The Secretary has received and paid over to the Treasurer during the past year the following amounts for exhibitors' tickets', stall and entrance fees, etc.:

STATE FAIR.

By stall fees.....	$1,598 00	
By season tickets.....	991 50	
By entry fees, speed ring.....	2,160 00	
Total.....		$4,749 50

FAT STOCK SHOW.

By stall fees, cattle	$520 00	
By stall fees, horses	524 00	
By pen fees, sheep	179 00	
By pen fees, hogs	113 00	
By entry fees, light horses	600 00	
Sale of offal	264 60	
Season tickets	430 50	
Donations	7,100 00	
American Cleveland Bay Association	450 00	
American Clydesdale Association	490 00	
American Percheron Association	500 00	
American Shire Horse Association	480 00	
National French Draft Association	425 00	
American Short Horn Association	505 00	
Elmer Washburn	175 00	
Total		$12,756 10

INSPECTION FERTILIZERS.

North Western Fertilizer Co., Chicago	$20 00

LIVE STOCK.

Seventeen State certificates	$51 00
Grand total	$17,576 60

Of the above amount received for season tickets at the State Fair, $922.50 was included in the settlement made with the Superintendent of Tickets by the Treasurer, and $397.50 received for exhibitors' tickets at the Fat Stock Show was also included in the Treasurer's settlement with the Superintendent of Tickets.

OFFICE FIXTURES.

The following articles of furniture, etc., in the rooms of the department, are carried on the property returns of the Board:

1 ten foot table.
1 table.
1 extension table.
1 Wooten desk.
2 cylinder desks.
2 flat top desks.
1 old style desk.
1 carpet on main office floor.
1 carpet on private office floor.
9 spittoons.
1 revolving book case.
1 water tank.
2 tumblers.
1 water bucket.
2 brooms.
2 hatchets.
1 mop.
1 lounge.
2 cane-seat chairs, broken.
4 upholstered chairs, broken.
20 cane seat chairs (cherry).
20 common wood-seat chairs.
12 towels.
1 office chair (cherry).
1 barometer.
1 postal scale.
1 clock.
1 letter press.
1 typewriter.
1 set of rods for measuring live stock.
2 sets of metal dies (seal of Board.)
1 Cyclostyle.

ELSEWHERE,

2 aquaria—in the care of State Board of Fish Commissioners.
2 aquaria—left with Gould Bros., Chicago.
2 pulley blocks used at Fat Stock Show—with the Yale & Towne Manufacturing Co., 64 Lake street, Chicago.

The property of the Board used in connection with the State Fair and Fat Stock Show is still in the hands of the Superintendent of Purchases.

METEOROLOGICAL.

The meteorological work of the Board has received during the past year more attention than heretofore, and the manifest appreciation of the State Weather Service by the agricultural and commercial

classes is such as to give all interested great encouragement to prosecute with increased energy a work of so much importance to the farmers of Illinois.

No small part of the measure of success that has attended the efforts to increase the efficiency of the Weather Service in this State during the past year, is due to the hearty and cordial co-operation of the Chief Signal Officer at Washington, who has greatly assisted in the work, and made it possible to rapidly extend the service.

Observers have been encouraged thereby, and the character of the work is gradually improving.

The officers of the following railroads are co-operating with this office in extending the benefits of the Signal Service, and are sending the weather indications daily to all their stations, thus making it possible for all interested in displaying weather, temperature and cold wave signals on these lines to have this information promptly and without expense:

Chicago and Alton—Chicago to St. Louis.
Chicago and Alton—Bloomington to Louisiana.
Chicago and Alton—Roodhouse to Godfrey.
Chicago and Alton—Dwight to Washington.
Chicago, Milwaukee and St. Paul—Chicago to Rock Island.
Chicago, Milwaukee and St Paul—Lanark to Rockton.
Chicago, Milwaukee and St. Paul—Davis Junction to Rockton.
Chicage and Iowa—Aurora to Freeport.
Chicago and Iowa—Rochelle to Rockford.
Rock Island and Peoria—Rock Island to Peoria.
Illinois Midland—Peoria to Barrington.
Lake Erie and Western—Bloomington to Hoopeston.
Mobile and Ohio—St. Louis to Cairo.
Cairo, Vincennes and Chicago—Cairo to Danville.

All engaged in the movements of trains, as well as the shippers and the traveling public, are interested in having information of this character, especially during the winter season, while the producers are benefited by having the predictions during the seeding and harvesting seasons.

The general appreciation of the Weather Service must necessarily increase as its manifest usefulness to all classes is better understood.

All but twelve of the one hundred and two counties in the State are now represented by observers.

The gentlemen so creditably serving the public as observers, manifest a commendable spirit in making the service of the greatest possible value to all concerned, and the high character of their work entitles them to the gratitude of the public.

PERSONAL.

The frequent words of encouragement and the timely suggestion received at the hands of the members of the Board have enabled the Secretary's office to more creditably discharge the duties assigned.

The writer desires to return his sincere thanks to each member of the Board for expressions of appreciation and for the earnest efforts put forth to ensure the best results from the operations of the Board by unity of action and in promoting the most harmonious and friendly relations between employer and employé.

The clerical force of the office is commended to your favorable consideration for industry, and the zeal manifested by each in the discharge of their respective duties in the most creditable manner, entitles them to the grateful recognition of all interested in the proper performance of the clerical work of the Board.

Mr. W. C. Garrard, as Chief Clerk, has acceptably filled the position and has had much of the supervision of the general work of the office.

Miss Agnes E. DuBois has rendered excellent service in the statistical department and performed no small part of the clerical work in connection with the State Fair and Fat Stock Show.

Miss Annie G. Springer, as stenographer and type-writer, has rendered good service in connection with correspondence of the Board.

Mr. D. C. Hoyt has faithfully discharged the duties assigned him and has rendered good service as a clerk.

The following reports were read, and on motion of Mr. Haskell ordered spread upon the record.

REPORT OF COMMITTEE OF ARRANGEMENTS, ILLINOIS STATE FAIR.

To the Illinois State Board of Agriculture:

The Committee of Arrangements for the State Fair begs leave to submit, as a report, the proceedings of the meetings held by the committee since the last annual meeting of the Board.

Respectfully submitted,

JOHN LANDRIGAN, *Chairman.*

MINUTES OF THE MEETINGS OF THE COMMITTEE OF ARRANGEMENTS FOR THE ILLINOIS STATE FAIR.

SHERMAN HOUSE,
CHICAGO, May 13, 1886.
THURSDAY, 10 O'CLOCK, A. M.

The Committee of Arrangements met on the call of the Chairman of the committee.

Chairman Landrigan in the chair.

Present—Messrs. Landrigan, Reynolds, Dysart, Haskell, Funk, Chester, Pullen, Skeavington, Morse, David and Mills.

Motion of Mr. Haskell adopted,

That Messrs. Pearce, Vaughan and any other members of the Board present and not members of the committee be invited to participate in the proceedings.

Mr. Pearce in the chair.

Mr. Morse introduced the following resolutions:

Resolved, That the Committee of Arrangements of the Illinois State Fair, 1886, recommends to the State Board of Agriculture that separate lots be made for "French Draft" other than Percheron and Percheron; the horses entered in each lot to trace to the Stud Books of the respective breeds.

Resolved, That the Secretary submit the matter to the members of the Board, and in case the majority vote in favor of this proposition, that the result be announced by the President to the Board.

Resolved, That the committee recommend an additional lot be made and like premiums be offered as now given draft breeds for Percherons, and that the heading of the lot for Norman Percherons be changed to French Draft Breeds other than Percherons.

Mr. Landrigan moved as a substitute the following:

Resolved, That the importers and breeders of Percheron draft horses be invited to make an exhibit of this breed of horses at the State Fair of 1886 on the same conditions and terms that the Clydesdale Association have been heretofore permitted to exhibit, and that the Committee of Arrangements make the necessary arrangements for such exhibit, and that the heading of the lot in the premium list for Norman-Percheron be changed to French Draft Breeds.

On motion of Mr. Reynolds,

The following resolution was adopted as a substitute for the foregoing resolutions of Messrs. Morse and Landrigan.

Resolved, That the members of this Committee of Arrangements request the President of the State Board of Agriculture to call a meeting of said Board on the — day of ——, at ——, for the purpose of deciding upon a proposition to change the classification in the premium list for 1886, so far as to establish a distinct lot for Percheron full-blood draft horses.

Resolved, That the resolutions of Mr. Morse and the substitute offered by Mr. Landrigan be referred to the said meeting of the Board.

Mr. Landrigan in the chair.

Motion of Mr. Morse adopted,

That the President be requested to call a meeting of the Board to be held at the Sherman House, Chicago, Friday, May 14, 1886, at 10 o'clock A. M.

On motion of Mr. Haskell,

The committee adjourned subject to the call of the chair.

SHERMAN HOUSE,
CHICAGO, July 23, 1886.

Committee of Arrangements met on the call of the President.

Present—Messrs. Landrigan, Gillham, Dysart, Chester, Pullen, Skeavington, Funk, David, Morse and Mills.

Motion of Mr. Gillham adopted,

That members of the Board present and not members of the committee, be invited to seats and to participate in the meeting.

Mr. Rush then participated in the meeting.

Mr. Pearce called attention to the premium fund of $1,000, provided by the commission men and others at the Union Stock Yards.

Motion of Mr. Funk adopted,

That all herds of beef cattle on exhibition at the coming State Fair be eligible to compete for the Grand Sweepstakes Herd prize provided by the Union Stock Yards, and that the amount be divided into three premiums; the first prize to be $500; the second prize to be $300, and the third prize to be $200.

Motion of Mr. Gillham adopted,

That the matter of selecting a committee to award the Grand Sweepstakes Herd prize be left to the Superintendent of Beef Breeds of Cattle.

Motion of Mr. Morse adopted,

That the Superintendent of Tickets be authorized to use his discretion in the distribution of complimentaries to donors of special premiums to the Fair and Fat Stock Show.

Motion of Mr. Dysart adopted,

That the Board take a recess and meet at the Fair Grounds at 2 o'clock this afternoon.

EVENING SESSION.

SHERMAN HOUSE,
CHICAGO, JULY 23, 1886, 7:30 P. M.

Committee met as per adjournment.

President Landrigan reported that J. H. Fenton, of Chicago, desired to offer a special premium of $40 for the best draft stallion 4 years old or over exhibited at the American Horse Show of 1886, the competition to be limited to the first prize animals.

Motion of Mr. Dysart adopted,

That the premium of Mr. Fenton be accepted with thanks, and that the premium be duly advertised.

Motion of Mr. Morse adopted,

That the General Superintendent be authorized to contract for lumber and material for repairing stalls, exhibition halls, etc., not called for in the specifications of requirements of the local committee.

Motion of Mr. Dysart adopted,

That the several superintendents of departments be requested to report in writing the repairs and fixtures needed in their respective departments prior to July 31, 1886.

Motion of Mr. Chester adopted,

That the matter of arranging the farm product hall for the coming meeting of the Northwestern Trotting Horse Association be referred to Messrs. Gillham and Pearce.

Motion of Mr. Chester adopted,

That the President and Secretary without delay make contract for the use of the Exposition Building for Fat Stock and Horse Show.

Motion of Mr. Funk adopted,

That the General Superintendent be authorized to construct shedding for stalls for horses occupied by the American Percheron Association, provided that Mr. M. W. Dunham take the lumber and posts required for the same as left in the shed, at the invoice price of the lumber and posts.

Minutes read, and on motion of Mr. Gillham adopted.

Motion of Mr. Dysart adopted,

That Mr. Skeavington be appointed a committee to provide a place for the meeting of the State Grange on the Fair Ground.

On motion of Mr. Gillham the committee adjourned.

REPORT OF COMMITTEE OF ARRANGEMENTS, AMERICAN FAT STOCK SHOW.

To the Illinois State Board of Agriculture:

The Committee of Arrangements for the Fat Stock and Dairy Show beg leave to submit, as a report, the proceedings of the meetings held by the committee since the last annual meeting of the Board.

Respectfully submitted.

JOHN LANDRIGAN, *Chairman.*

MINUTES OF THE MEETINGS OF THE COMMITTEE OF ARRANGEMENTS FOR THE AMERICAN FAT STOCK, DAIRY AND HORSE SHOW.

EXPOSITION BUILDING,
CHICAGO, October 12, 1886.

TUESDAY, 10 o'clock A. M.

The Committee of Arrangements met on the call of President Landrigan.

Present—Messrs. Morse, Reynolds, Dysart, Virgin, Vittum, David, Funk, Chester, Gore, Gillham and Pullen.

Orange Judd, Esq., of the "Prairie Farmer," appeared before the committee and asked that space be assigned for the corn exhibit to be made by the Prairie Farmer Company at the time of the American Fat Stock Show.

Motion of Mr. Morse adopted,

That the General Superintendent assign sufficient space for the exhibit of corn in the gallery of the Exposition Building.

Motion of Mr. Gillham adopted,

That Messrs. Reynolds, Gore and Virgin be appointed a committee to examine the south half of the Exposition Building in order to determine the available space for horse stalls, after moving the show cases.

On motion of Mr. Morse, Mr. Gillham was added to the committee.

Motion of Mr. Reynolds adopted,

That the General Superintendent be authorized to make the necessary repairs to insure the safety of the floors in that portion of the building set apart for the exhibition of horses.

On motion of Mr. Morse, the committee took a recess of thirty minutes.

Committee convened as per adjournment.

Mr. Gillham reported that in company with the carpenter of the Exposition Company, and Messrs. Gore and Funk, members of the Board, he had examined the floors, and, excepting the floor near the old fountain, the support and floor was in good condition, and safe for the purpose of the exhibition of horses.

Motion of Mr. Vittum adopted,

That all the members of the Board, not members of the committee, be invited to seats and to participate.

Motion of Mr. Morse adopted,

That the report be received, adopted and the committee discharged.

The committee appointed to examine the space available for horse stalls in the south half of the Exposition Building, reported that there would be room to accommodate from two hundred and fifty to three hundred horses.

Motion of Mr. Morse adopted,

That the vote locating the corn exhibit of the "Prairie Farmer" be reconsidered.

Motion of Mr. Chester adopted,

That the General Superintendent be authorized to locate the corn exhibit and other special premiums.

The following communication from Mr. Washburn was read:

UNION STOCK YARDS NATIONAL BANK,
CHICAGO, October 5, 1886.

Charles F. Mills, Esq., Secretary State Board of Agriculture, Springfield, Ill.:

DEAR SIR—It has often occurred to me that, with all there is being done to encourage the production of beef, it would be well to do something to encourage the art of preparing it for market.

Everything that human skill and ingenuity could devise has been done by your honorable Board to encourage and stimulate the production of the finest and most profitable grades of cattle and other live stock, until the "American Fat Stock Show" has come to be recognized as the normal school for the breeders and feeders of the whole world; and its importance, its great value, its necessity and its permanency, as an educator alone, are all fixed facts.

It would seem, then, that the time had now come when its field of usefulness could be safely enlarged, and some recognition extended to the thousands who labor to prepare the live stock for market. I refer to skilled butchers.

I would therefore suggest, that the butchers of the Union Stock Yards, of Bridgeport, and of Hammond, Indiana, be invited, in such numbers as your Board may deem proper, to give an exhibition of their skill in killing and dressing cattle, at the next exhibition of the "American Fat Stock Show," to encourage which, I hereby offer the sum of $175 in three prizes, the first of $100, the second of $50, and the third of $25.

The prizes to be awarded by the judges, hereinafter provided for, to such of the competing butchers as they may deem best entitled thereto. The judges three in number, to be selected by the board of management, and all to be practical butchers of known character and integrity. The contest for these prizes to be conducted by the judges, and the awards made under such rules and regulations as the board of management may prescribe, said rules and regulations to express definitely what will be required of all butchers who enter for the contest, and to be made public at the earliest practicable day. I also desire, and make it a condition, that the rule for scoring points shall be so arranged as to give skill a great preference over time.

It is believed that the most skillful butchers are to be found among the men who will compete for the prizes hereby offered, and that the exhibition of their skill will be of great interest to the thousands of butchers who annually attend this great show from all portions of the United States and Canada.

Very respectfully, ELMER WASHBURN.

Motion of Mr. Gillham adopted,

That the proposition of Mr. Wasbburn be accepted.

Motion of Mr. Gillham adopted,

That the details of the slaughter test, including selection of committee, be referred to a committee consisting of Messrs. Funk, Gore and Chester.

Motion of Mr. Chester adopted,

That the General Superintendent be authorized to provide raised seats, in amphitheatre style, on the west side of the show ring, for the accommodation of visitors.

Motion of Mr. Dysart adopted,

That the General Superintendent be authorized to provide a platform near the show ring for the accommodation of the speakers invited to participate in the opening exercises.

Motion of Mr. Dysart adopted,

That the matter of lighting the Exposition Building be referred to the General Superintendent, with power to act.

Motion of Mr. Chester adopted,

That the matter of painting the stalls be left to the General Superintendent, with power to act.

Motion of Mr. David adopted,

That the proposition of Dr. Velie to throw open the Academy of Sciences be accepted, and that the expense of lighting and policing be paid by the Board.

On motion of Mr. Gillham,

The Committee adjourned to meet at the Sherman House at 2:30 this P. M.

AFTERNOON SESSION.

October 12, 1886.

Committee met as per adjournment.

Present—Messrs. Reynolds, Dysart, Gillham, David, Funk, Gore, Vittum, Virgin, Pullen, Chester and Morse.

On motion of Mr. Reynolds, Mr. Dysart was called to the chair.

Mr. Beck appeared before the Committee and proposed to construct a cooling room, with runways complete, in the Exposition Building, for the carcasses slaughtered at the Fat Stock Show, for $1,650, the capacity to be sufficient to accommodate fifty head of cattle and the usual number of sheep and swine heretofore killed at the Show.

Mr. Landrigan in the chair.

The following proposition of the Chicago Refrigerator Manufacturing and Cold Storage Company was read:

CHICAGO, October 7, 1886.

J. P. Reynolds, Esq., Secretary of the Exposition Committee:

DEAR SIR—In accordance with your instructions we have examined the place (40'x16') set apart for cold storage in the northeast corner of the Exposition Building, and now beg to submit plans and specifications for such a refrigerator as we consider most suitable for the purposes required.

The drawing sent herewith explains our system. Under this arrangement we allow ample accommodation inside for 200 quarters of beef, or 50 carcasses.

The outside height is 8' 7", the inside height clear 7' 9", inside length 38' 9", inside width, 14' 0". Entrance door, 7"x3"; five windows, 5"x3". Inside we have six lines of top rail 26" apart, with suitable switches and adjustable fixtures for connecting the inside and outside rails. Altogether there will be 250 feet of rail and 200 adjustable hooks on wheels.

The walls, roof and flooring will be made under our improved system, five inches thick, of No. 1 kiln dried pine, interlined with prepared paper, and our patent cement, with regular dead air spaces, insuring perfect insulation, and the most durable kind of walls.

Our ice tanks (22 in number) will be placed as shown in the drawing, and arranged so as to give a steady, regular temperature of 38° to 40°. The total ice-holding capacity is about eight tons, and the average daily consumption in warm weather about one and one-half tons. These tanks are so constructed and arranged that a lower temperature than 38° can be obtained at any time by sprinkling common coarse salt over the ice. For every 1 per cent of salt added in this way, the temperature will be lowered one degree. This refrigerator, with all the improvements under our "Castell" patents, we are prepared to construct and finish complete in a workmanlike manner for the sum of $950. We guarantee a pure, dry atmosphere, first class work in every respect, and will undertake to keep it in proper running order and repair, free of expense, for two years from the completion of the contract.

The ice will be filled through apertures made in the floor of your carpenter shop above, and will be so arranged that it will not interfere with your present facilities in that department. In case you are not disposed to incorporate a permanent cold storage room, we will undertake to provide temporary accommodation, same style and capacity; will furnish ice and labor, and run the refrigerator for say two weeks during the Live Stock Show in November, guarantee to give a dry temperature of about 34°, (this temperature is unobtainable under any other ice system), and we will take care of all the meat that requires refrigeration for the sum of say $250. We will also give you the option of allowing the $250 payment to go as part of the purchase money, provided you notify us within three months from this date of your intention to buy.

Providing these propositions are unacceptable, we are in a position to furnish similar refrigerating accommodation for 60 quarters of beef, and will do so free of cost, if you will furnish the ice and give us a choice location for exhibition.

Enclosed circulars and testimonials explain fully the advantages obtainable under our improved system of refrigeration and we invite your inspection of our refrigerators now in operation in your building and elsewhere.

Respectfully submitted,

THE CHICAGO REF. M'F'G. AND COLD STORAGE CO.

I. McGREGOR, *Manager.*

CHICAGO, October 11, 1886.

J. Irving Pearce, Esq., Industrial Exposition Co.:

DEAR SIR—Referring to our letter of the 8th inst respecting refrigeration for the November Stock Show, we beg to say that the cold storage room mentioned in the last clause of our letter is already made in sections and can be erected in its place at any time. We are also in position to furnish another one 30 ft. by 12 ft. with all necessary appliances for storage of 100 quarters of beef, and are prepared to give you the use of same on similar terms, but in this case we think that the Exposition Co. should defray the actual expense of erection and removal, which will not exceed $125. These refrigerators are built 8 feet high, which is the regular height for the largest butcher business; the rails are about three feet apart with movable hook arrangements for the heaviest and largest quarters of beef.

If you are required to store half or whole bullocks, you will want a height of about 13 feet clear, and same would have to be built specially, as noted in first clause of our letter.

Awaiting your commands, we are yours truly,

THE CHICAGO REFRIGERATOR MANUFACTURING AND COLD STORAGE CO.

Per I. McGREGOR.

Motion of Mr. Gillham adopted,

That the propositions be referred to committee consisting of Messrs. Funk, Pearce and Morse, with power to act.

Mr. Arthur J. Caton, of Chicago, appeared before the committee and proposed to make an exhibit of his horses in the Exposition Building each evening during the continuance of the American Horse Show for $100.

Motion of Mr. Reynolds adopted,

That the matter of having a special exhibit of Mr. Caton's stock each evening during the week of the American Horse Show be referred to Mr. Lewis, the Superintendent of Light Horses, but that no additional premium be offered by the Board for such exhibition.

Motion of Mr. Gillham adopted,

That the matter of removing the cases, etc., in the Exposition Building, for the Fat Stock Show, be referred to Mr. Reynolds, with power to act.

Mr. Sanders appeared before the committee and urged that some provision be made for the sale of breeding cattle in or near the Exposition Building during the continuance of the Fat Stock Show.

Mr. Dysart moved,

That all available stalls in the Exposition Building on the first day of November, 1886, be assigned to parties desiring the same for public sale of breeding cattle, and that a small ring for such sales be provided in the north end of the Exposition Building. Lost.

Mr. Gore moved,

That a ring be provided in the north end of the Exposition Building for the sale of breeding cattle during the Fat Stock Show.

Mr. Chester moved,

That the carcasses be exhibited on the west side of the Exposition Building. Withdrawn by consent.

Motion of Mr. Funk adopted,

That the carcasses be displayed in the show ring.

Motion of Mr. Dysart adopted,

That the General Superintendent be authorized to allow the editors of agricultural papers to occupy booths, etc., in the Exposition Building, provided the consent of the owners be first obtained.

Motion of Mr. Funk adopted,

That Messrs. Virgin, Gore and Lewis be appointed a committee to receive bids and contract for a sufficient number of horse stalls for the American Horse Show.

On motion of Mr. Gillham, the minutes were read and adopted.

On motion of Mr. Pullen, the committee adjourned subject to the call of the chairman.

Report of the Printing Committee.

To the Illinois State Board of Agriculture:

The Printing Committee begs leave to submit the following report:

The expenses for printing during the past year in connection with the State Fair, Fat Stock Show and the Department were as follows:

State Fair	$1,789 95
Fat Stock Show	969 90
Department	1,288 61
	$4,048 46

It will be seen that the aggregate expenditure for printing is nearly one thousand dollars less than for the preceding year.

The committee recommends that the Commissioners of State Contracts be requested in future to print the crop and meteorological reports and that such authority be conferred upon the commissioners, in the bill to be presented to the General Assembly by the Board.

The itemized bills for printing during the past year are given in the appended report, as well as the minutes of the meetings held by the committee during the past year.

Respectfully submitted,

SAM'L DYSART,
GEO. S. HASKELL,
M. A. MORSE,
J. IRVING PEARCE,
E. B. DAVID.

ILLINOIS STATE JOURNAL CO.

December crop report, 1886	$215 90
April crop report, 1886	70 25
May crop report	60 00
June crop report	133 35
July crop report	59 85
August crop report	104 90
September weather review, 1885	58 95
October weather review	58 95
November weather review	58 95
December weather review	64 75
January weather review, 1886	53 40
February weather review	59 85
March weather review	78 70
April weather review	62 00
May weather review	65 30
June weather review	89 95
July weather review	61 05
August weather review	52 45
September weather review	53 65
October weather review	54 85
November weather review	70 10
Letter heads	18 50
Envelopes	18 50
Stall applications	4 00
List of officers	1 00
Newspapers	10 00
Dit· hing machine circulars	3 50
State Fair certificates	6 00
Check books, Fair	5 50
Voting tickets, Fair	2 00
County fair blanks	8 75
Entry blanks	10 00
Newspaper slips	10 71
Circulars	17 00
Binding reports	10 00
Application for State certificate	10 00
Total	$1,722 61

WEEKLY LIGHT AND JOB OFFICE, FRANKLIN GROVE.

Admission tickets, Fat Stock Show	$56 25
Helpers' tickets	2 50
Exhibitors' tickets	1 25
Opening tickets	87 50
Single admission tickets	1 25
Boxing tickets	1 75
Circular letters	6 00
Total	$156 50

O. H. OLDROYD, SPRINGFIELD.

Making and repairing stamps and pad	$11 00

J. P. WILSON, CHICAGO.

Engrossing diplomas	$18 75

A. D. WEBB, FRANKLIN GROVE.

Childrens' tickets, Fair	$126 30
Teachers' tickets	2 50
Blank order tickets	2 50
Permits	2 00
Extra on exhibitors' tickets	1 25
Accepted bill	93 50
Total	$228 05

ILLINOIS STATE REGISTER, SPRINGFIELD.

April crop blanks	$8 50
May crop blanks	8 50
June crop blanks	8 50
July crop blanks	8 50
August crop blanks	8 50
Vouchers	16 00
Order book	1 50
Institute certificate slips	6 00
Newspaper slips	23 40
Notification cards	4 25
Extracts from Attorney General's opinion	2 50
Speed programmes, Fair	2 00
Speed folders, Fair	4 50
Entry cards, Fair	17 57
Premium slips, Fat Stock Show	4 00
Stall applications, Fat Stock Show	4 00
Stall cards, Fat Stock Show	3 75
Voting tickets, Fat Stock Show	1 50
Entry cards, Fat Stock Show	6 25
Score cards, Fat Stock Show	1 75
Shipping cards, Fat Stock Show	1 75
Application blanks, Fat Stock Show	7 50
Dairy applications, Fat Stock Show	7 50
Dairy certificates, Fat Stock Show	3 50
Dairy circulars, Fat Stock Show	9 00
Shipping labels, Fat Stock Show	1 80
Special premium book, Fat Stock Show	3 50
Press complimentaries, Fat Stock Show	3 50
Crop complimentaries, Fat Stock Show	3 50
Letter heads	3 00
Postals and printing	22 95
Newspapers	2 00
Circulars	3 00
Total	$213 97

J. M. W. JONES PRINTING AND STATIONERY CO., CHICAGO.

Letter heads	$57 60
Envelopes	72 50
Enclosures	27 00
Circulars	100 00
Cards	49 00
Lithograph posters, Fair	120 00
Mounting posters	25 00
Hanging posters	15 00
Distributing cards	38 80
Lithograph posters, Fat Stock Show	75 00
Mounting posters	30 00
Railroad posters, Fat Stock Show	420 75
Distributing posters	30 00
Diagram	70 00
Electrotypes	9 00
Catalogues, Fat Stock Show	295 00
Newspaper tickets	7 00
Badges	6 75
Ribbon	3 50
Sundries	8 90
Total	$1,460 80

C. H. HANSON, CHICAGO.

Rubber stamp	$5 00

MARDER, LUSE & CO., CHICAGO.

Weather signal cuts	$2 55

H. W. ROKKER, SPRINGFIELD.

Letter heads	$3 00
Treasurer's receipt book	4 50
Record book	1 35
Binding crop reports	25 00
Binding Fat Stock Show reports	50
Lists of counties	10 00
Tubes	10 00
Sundries	50
Total	$54 85

WESTERN BANK NOTE AND ENGRAVING CO., CHICAGO.

Complimentary tickets, Fair	$55 00
Complimentary tickets, Fat Stock Show	37 50
Printing Diplomas, Fair	50 00
Total	$142 50

T. W. S. KIDD, SPRINGFIELD.

Circulars, crop and meteorological correspondents	$6 50
Circulars, herd prize	7 50
Speed applications, Fair	7 00
Newspaper slips	1 50
Total	$22 50

C. E. MANNING, FRANKLIN GROVE.

Printing and fringing badges	$7 38
Printing teachers' tickets	1 50
Printing signs	50
Total	$9 38
Grand total	$4,048 46

Minutes of Meetings of Printing Committee.

Sherman House,
Chicago, August 18, 1886.

Committee met on call of the chairman.

Present—Messrs, Dysart, Pearce, Morse and Mills.

Motion of Mr. Morse adopted,

That the bill of the Springfield Journal Company for printing 35,000 additional posters at $10.05 be ordered paid.

Motion of Mr. Morse adopted,

That the chairman of the printing committee be authorized to to have printed and distributed one hundred thousand, or less, dodgers, advertising the State Fair, at a cost of not to exceed $1 per thousand for printing, and $1 per thousand for circulating the same.

Motion of Mr. Pearce adopted,

That a sufficient number of hangers be printed for advertising the State Fair in the street cars and other places at the discretion of the chairman.

Sam'l Dysart,
M. A. Morse,
J. Irving Pearce.

SHERMAN HOUSE,
TUESDAY, October 12, 1886.

The printing committee met on the call of the chairman.

Present—Messrs. Dysart, Morse, Haskell, David and Mills.

The following communication was read:

SPRINGFIELD, ILL., October, 1886.

CHARLES F. MILLS, ESQ., *Secretary State Board of Agriculture, Springfield, Ill.:*

DEAR SIR: Owing to the sudden disappearance of Mr. Davenport, our late secretary and manager, and the consequent loss of the lease of our job printing plant, and large money loss resulting from contract with your Board, I am compelled to throw up the contract for the premium list of the Fat Stock show. The bids taken by Mr. Davenport were much below the actual cost.

In order that your Board may be embarrassed as little as possible in getting out premium list for the Fat Stock Show, I will give your Board the use of the stereotype plates of the said list and herewith enclose order on J. L. Regan & Co. for the same.

Yours very truly,
STATE JOURNAL BOOK AND JOB PRINTING CO.

JNO. C. LANPHIER, *President.*

Motion of Mr. David adopted,

That the chairman of the committee be authorized to receive bids and award contract for printing 3,000 premium lists of the American Fat Stock Show.

The proofs of the lithograph and railroad poster for the Fat Stock Show were approved.

Motion of Mr. Morse adopted,

That the chairman of the committee be authorized to have printed a sufficient number of posters to fill the orders of the railroad companies.

Motion of Mr. Haskell adopted,

That one thousand dollars be appropriated for advertising the Fat Stock Show in the daily press of Chicago, said advertising to commence the Saturday preceding the show, in the following papers, viz.: Tribune, Times, Inter Ocean, Herald, News, Evening Journal, Mail, Frie Presse, Staats Zeitung.

Motion of Mr. David adopted,

That Messrs. Dysart, Haskell and Morse be appointed a committee to make contracts for expending the amount appropriated for advertising.

Motion of Mr. David adopted,

That the chairman be authorized to have stereotype plates made of the complimentary ticket of the grand opening, and distribute the same to the press.

SAMUEL DYSART.

REPORT OF COMMITTEE ON CROP STATISTICS.

To the Illinois State Board of Agriculture:

The committee on crop statistics begs leave to report that the crop and meteorological statistics of the Board are duly appreciated by the producing and commercial classes, and that the inquiries received at the office during the past year for information of this character exceed that of of any former year.

The appropriations made by the State for collecting and publishing the crop and meteorological reports, have not been sufficient to meet the expenses of the same, and it is recommended that the committee on legislation be authorized to have provision made for printing these reports by the State, which under existing contract will effect a large saving.

It is recommended that the assessment blanks sent out from this office include such farm crops as are now specified, that exceed in value one hundred thousand dollars per annum.

It is further recommended that resolutions expressive of the thanks of the Board be sent to each crop and meteorological observer for the valuable service rendered.

D. GORE.
LAFAYETTE FUNK,
JOHN VIRGIN,
JOHN GRIFFITHS.

REPORT OF COMMITTEE ON PRESS.

To the Illinois State Board of Agriculture:

Your committee has held its meetings only during the latter part of the week previous to the State Fair, and the result attempted was only to influence in the most effective way the local Chicago press. The result in this regard was all that could be expected.

Your committee would recommend for the coming year that a Bureau of Information be constituted to take the place of the Press Committee, the duty of such Bureau to be to furnish general information for the press and the visiting public on the ground.

Your committee would suggest that it be the sole duty of one member of the Board, or of a capable assistant, to take charge of such Bureau, and have a suitable office permanently located near the main entrance to the grounds, in connection with that of the Secretary or President, which, we believe, would contribute much to the satisfactory working of the Press Department, as well as relieve the Secretary's office of much labor for which it does not at such seasons find suitable time.

The minutes of the meetings held by this committee, which are made a part of this report, are submitted herewith.

Respectfully submitted.

J. C. VAUGHAN,
E. B. DAVID,
J. GRIFFITH,
ALLAN C. RUSH,
AL. A. MORSE.

MINUTES MEETINGS PRESS COMMITTEE.

September 2, 1886.

Committee met on call of Chairman Vaughan.

Present—Messrs. Vaughan, Morse, Virgin,, Rush and Mills.

Mr. Vaughan stated the object of the meeting to be to consider the best means of calling the attention of the people to the Fair through the press of the State.

Motion of Mr. Rush adopted,

That the chairman of the committee be authorized to select a man to prepare press reports for the city papers.

On motion of Mr. Morse, the committee adjourned.

CHARLES F. MILLS.

REPORT OF COMMITTEE ON TRANSPORTATION.

To the Illinois State Board of Agriculture:

The committee reports that the following rates were granted exhibitors and visitors attending the State Fair and Fat Stock, Dairy and Horse Show of 1886, by the companies named below:

Railroad Arrangements, Illinois State Fair 1886.

Passengrr Rates.

Tickets to Chicago, will be sold by the railroads named below at one and one-third fare for the round trip. Sale of tickets to commence September 5th, and limited to trains leaving Chicago September 12th, 1886. Tickets to Chicago will be sold exhibitors at one and one-third fare for the round trip (by applying to the station agents) Friday, September 3, 1886; said tickets good on trains leaving Chicago Monday, September 13, 1886.

EASTERN LINES.

Baltimore & Ohio; Chicago & Atlantic; Chicago & Grand Trunk; Chicago, St. Louis & Pittsburgh; Lake Shore & Michigan Southern; Michigan Central; New York, Chicago & St. Louis; Pittsburgh, Fort Wayne & Chicago.

WESTERN LINES.

Chicago & Alton; Chicago, Burlington & Quincy; Chicago & Eastern Illinois; Chicago & North-Western; Chicago, Milwaukee & St. Paul; Chicago & St. Louis; Chicago, Rock Island & Pacific; Chicago & Iowa; Cincinnati, Indianapolis, St. Louis & Chicago; Illinois Central; Louisville, New Albany & Chicago, Wabash, St. Louis & Pacific; Peoria, Decatur & Evansville.

Freight Rates.

EASTERN LINES.

Exhibits for the Illinois State Eair will be carried by the following railroads from territory within 275 miles of Chicago, at full local tariff rates to Chicago, and returned free to original point of shipment, upon presentation of certificate of the Secretary of the Fair that the property has been on exhibition and has not changed ownership, viz: Baltimore & Ohio; Chicago & Grand Trunk; Chicago, St. Louis & Pittsburgh; Pittsburgh, Fort Wayne & Chicago; Lake Shore & Michigan Southern; Michigan Central, and New York, Chicago and St. Louis Railway.

WESTERN LINES.

Exhibits for the Illinois State Fair will be carried by the following railroads to Chicago, at full tariff rates, charges prepaid, and will be returned free to original point of shipment on the line whence shipped, on certificate of the Secretary that the same has been on exhibition and has not changed ownership, viz: Chicago & Alton; Chicago, Burlington & Quincy; Chicago & Eastern Illinois; Chicago & North-Western; Chicago, Milwaukee & St. Paul; Chicago, Rock Island & Pacific; Chicago & St. Louis; Cincinnati, Indianapolis, St. Louis & Chicago; Illinois Central; Louisville, New Albany & Chicago; Peoria, Decatur & Evansville, and Wabash, St. Louis & Pacific.

Freight should be prepaid at the station whence shipped, and a receipted bill taken for the same, which should be CERTIFIED BY THE SECRETARY, ON THE GROUNDS, as early as Thursday of the Fair.

TERMINAL FREIGHT CHARGES.

Freight for the Fair should be billed to the State Fair Grounds, Chicago, care Chicago, Burlington & Quincy Railroad. The charges for transfer to and from the Fair Grounds will be $2.00 per car each way.

TERMINAL EXPRESS CHARGES.

Brink's Chicago City Express Company, office 65 Washington street, will receive goods sent by any Express company to Chicago to their care, and will deliver the same with dispatch at the Fair Grounds, charging as follows: For packages or small boxes not exceeding 50 pounds weight, 25 cents; for barrels, trunks, boxes, sacks or medium sized crates, not exceeding 200 pounds, 50 cents; and bulkier articles at reasonable rates.

There will be an agent on the grounds to receive and deliver goods according to directions.

FACILITIES FOR REACHING THE GROUNDS.

The facilities for reaching the Fair Grounds from any part of the city are ample and rapid, and the cost of transportation low.

The Chicago, Burlington & Quincy Railroad will run trains to and from the Fair Grounds as follows: First train will leave the Union Depot, corner Madison and Canal streets, at 8:30 A. M., and run every half hour until evening. First train will leave the Fair Grounds at 9:15 A. M., and run every half hour during the day until 6 P. M. Time from Union Depot to Fair Grounds, 25 minutes, Fare, 15 cents. These trains run direct to the Club House and Grand Stand.

The Chicago & North-Western Road will stop all its trains near the Fair Grounds.

The Madison street cars will convey passengers direct to the Entrance Gate.

The Randolph and Lake street cars will deliver passengers within three blocks of the Main Entrance Gate.

RAILROAD ARRANGEMENTS FOR THE AMERICAN FAT STOCK, DAIRY AND HORSE SHOWS, 1886.

Passenger Rates.

Tickets to Chicago will be sold by the railroads named below at one and one-third fare for the round trip from points in Illinois. Sale of tickets to commence November 7, 1886, and limited to trains leaving Chicago, Saturday, November 20, 1886.

Tickets from points outside the State of Illinois, will be sold at one and one-third fare on application to the railroad agent at starting point. Tickets to be sold exhibitors two days preceding the opening of the Show, and to be limited to two days after the date on which the Show closes.

EASTERN LINES.

Baltimore & Ohio; Chicago & Atlantic; Chicago & Grand Trunk: Chicago, St. Louis & Pittsburgh; Lake Shore & Michigan Southern; Michigan Central; New York, Chicago & St. Louis; Pittsburgh, Fort Wayne & Chicago.

WESTERN LINES.

Chicago & Alton; Chicago, Burlington & Quincy; Chicago & Eastern Illinois; Chicago & Iowa; Chicago & Northwestern; Chicago, Milwaukee & St. Paul; Chicago, Rock Island & Pacific; Chicago & St. Louis; Cincinnati, Indianapolis, St. Louis & Chicago; Illinois Central; Louisville, New Albany & Chicago; Peoria, Decatur & Evansville, and Wabash, St. Louis & Pacific.

Freight Rates.

EASTERN LINES.

Exhibits of horses and cattle for the American Fat Stock and Horse Shows, will be carried by the following railroads, from territory within 275 miles of Chicago, at full tariff rates to Chicago, and returned free to original point of shipment upon presentation of the certificate of the Secretary that the stock has been on exhibition and has not changed ownership, viz.: Baltimore & Ohio; Chicago & Grand Trunk; Chicago, St. Louis & Pittsburgh; Pittsburgh, Fort Wayne & Chicago; Lake Shore & Michigan Southern; Michigan Central; New York, Chicago & St. Louis Railway.

WESTERN LINES.

Exhibits of stock for the American Fat Stock and Horse Shows, will be carried by the following railroads at full tariff rates to Chicago, charges prepaid and returned free to original point of shipment when such station is located on lines of either of the roads named upon presentation of the certificate of the Secretary that the stock has been on exhibition, and has not changed ownership, viz.: Chicago & Alton; Chicago, Burlington & Quincy; Chicago & Eastern Illinois; Chicago & Northwestern; Chicago, Milwaukee & St. Paul; Chicago, Rock Island & Pacific; Chicago & St. Louis; Cincinnati, Indianapolis, St. Louis & Chicago; Illinois Central; Louisville, New Albany & Chicago; Peoria, Decatur & Evansville, and Wabash, St. Louis & Pacific.

Paid freight bills, with Secretary's certificates, should be presented to the railroads when applying for a rebate of freight.

These concessions are made upon the condition that the roads are released from any and all liabilities exceeding $50 per head in case of injury by accident or otherwise, while in transit, or awaiting shipment or delivery at stations.

Stock over the Illinois Central Railroad will be delivered at the Exposition Building, and should be so billed.

Owners, or their agents, must accompany the stock, and be responsible for it, and its loading and unloading. All stock should be billed prepaid. The five dollars switching charges will be collected of the owner of the stock at the Exposition Building.

TERMINAL CHARGES.

Stock from all other roads should be shipped to the Exposition Building, care Illinois Central Railroad, Union Stock Yards. The charge per car stock from the Stock Yards to the Exposition Building, and returning same, or empty car, to Stock Yards, will be five dollars.

The railroads have heartily co-operated with the Board during the past year, not only in connection with the Fair and Fat Stock Show, but in all matters calculated to develope the material resources of the State. It is recommended that the Committee on Transportation be authorized to prepare and send the roads named above, resolutions expressive of the thanks of the Board, for the assistance they have thus rendered the agricultural interests of the State.

J. IRVING PEARCE, Chairman.
JOHN LANDRIGAN,
D. W. VITTUM, Jr.

Report of Library Committee.

To the Illinois State Board of Agriculture:

The committee begs leave to report the $234.42 has been expended during the past year in the purchase of books, which, with publications donated and on the exchange list of the office, are specified on the appended sheet.

The committee renew their recommendation that all publications of convenient size in the office, of sufficient value for future reference, be suitably bound and made part of the Library of this department.

Respectfully submitted,

GEO. S. HASKELL,
ALLAN C. RUSH,
JAS. W. JUDY,
D. W. VITTUM, Jr.,
E. B. DAVID,

Committee.

BOOKS PURCHASED IN 1886.

HERD AND STUD.

American Berkshire Record, vol. 8.
American Short-Horn Herd Book, vols. 28, 29 and 30.
British Berkshire Herd Book, vol. 1.
Holstein-Friesian Herd Book, vol. 1—2 copies.
Ohio Poland China Record, vol. 8.
Register Red Polled Cattle in America, vol. 1.

MISCELLANEOUS.

Babeuf's Directory of Springfield, 1886 and 1887.
Board of Trade, Chicago.
Cyclopedia of Practical Floriculture.
Orchid Album.
The Irish in America. Pamphlet.

BOOKS RECEIVED IN EXCHANGE.

Illinois.

Report State Board of Health, 1885.
Transactions Illinois Horticultural Society, 1885.

California.

Transactions California State Agricultural Society.

Indiana.

Agricultural Report for 1885.

Iowa.

Proceedings of the Davenport Academy of Natural Science, vol. 4, 1882 and 1884. Pamphlet.

Massachusetts.

Bulletin of the Essex Institute, vol. 7, Nos. 7 and 9, 10 and 12. Two pamphlets.

Michigan.

Census of Michigan, 1884, vols. 1 and 2.
Farm Statistics of Michigan, 1884 and 1885.
Michigan Board of Agriculture, 1885.
Proceedings and Addresses at the Sanitary Convention at Kalamazoo, 1885. Pamphlet.
Report Michigan Horticultural Society, 1885—2 vols.
Report of State Board of Health, 1885.

Nebraska.

Annual Report of the Nebraska State Board of Agriculture, 1885.

New Hampshire.

New Hampshire Agricultural Reports, 1879, 1880, 1882, 1883, 1884.

New Jersey.

New Jersey State Board of Agriculture, 1865.

New York.

American Museum of Natural History, 1885 and 1886. Pamphlet.
Houghton Farm Experiment Department, 1882 and 1883. Pamphlet.

North Carolina.

Hand-Book of North Carolina.

Ohio.

Report Agricultural Board for 1885.

Wisconsin.

Report Agricultural Experiment Station, University of Wisconsin, 1886.

Washington.

Bulletin of the U. S. Geological Survey, Vols. 15 to 29 inclusive.
Fifth Annual Report of the U. S. Geological Survey, 1883 and 1884.
Message and Documents, War Department.
Vol. 4, 1880 and 1881.
Vol. 4, 1879.
Vol. 4, 1881 and 1882.
Vol. 4, 1883 and 1884.
Proceedings of the American Forestry Congress at Boston.

Report on Forestry, 1884.
Report Commission on Agricultural and Experimental Stations, 1885.
Report Commissioner of Education.
Smithsonian Report, 1884, Parts 1 and 2.
Tenth Census of the United States, 1880, vols. 13, 14, 16 and 20.
Testimony taken before the Committee on Agriculture and Forestry, United States Senate.
Manufacture and Sale of Imitation Dairy Products, 2 pamphlets.
Third Report of the U. S. Entomological Commission, 1880 1882. Pamphlet.
United States Geological Survey, vols. 8 and 9.
United States Geological Survey, Mineral Resources of the United States, 1883 and 1884.

Foreign.

Annual Report of Agriculture and Arts, Ontario, 1884.
Annual Report of the Department of Revenue, Settlement and Agriculture, Madras, pamphlet.
Eleventh Annual Report of the Montreal Horticultural Society, Quebec, 1885.
Journal of the Royal Agricultural Society of England, vol. 22, pamphlet.
Records of the Saidapel Experimental Farm, Madras, pamphlet.
Report Agriculture and Arts Association of Ontario. Statutes of Manitoba, vol. 1, 1885.

The following is the list of periodicals received during the year:

Name of Paper.	Location.
American Brewers' Gazette	New York, N. Y.
American Engineer	Chicago, Ill.
American Sheep-Breeder and Wool-Grower	Chicago, Ill.
Bloomington Pantagraph	Bloomington, Ill
Bradstreet's	New York, N. Y
Breeders' Gazette	Chicago, Ill
Breeders' Journal	Beecher, Ill
Chicago Journal of Commerce	Chicago, Ill
Cincinnati Price Current	Cincinnati, O
Colman's Rural World	St. Louis, Mo
Danville Daily News	Danville, Ill
Drainage and Farm Journal	Indianapolis, Ind.
Dunton's Spirit of the Turf	Chicago, Ill
Farm, Field and Stockman	Chicago, Ill
Farmers' Review	Chicago, Ill
Industrial World	Chicago, Ill
Journal of Agriculture	St. Louis, Mo
Kansas City Live Stock Record	Kansas City, Mo
Legal Adviser	Chicago, Ill
Live Stock Record	Lexington, Ky
National Live Stock Journal	Chicago, Ill
National Stockman	Pittsburg, Pa
New York Produce Exchange Bulletin	New York, N. Y.
Prairie Farmer	Chicago, Ill
Rural New Yorker	New York, N. Y.
Texas Live Stock Journal	Ft. Worth, Tex
The Clay Worker	Indianapolis, Ind.
The Cultivator and Country Gentleman	Albany, N. Y
The Dairyman	Chicago, Ill
The Farmer	St. Paul, Minn
The Horseman	Chicago and New York
The Western Rural	Chicago, Ill
Turf, Field and Farm	New York, N. Y.
United States Miller	Milwaukee, Wis
Weekly Drovers' Journal	Chicago, Ill
Western Agriculturist	Quincy, Ill
Whitehall Republican	White Hall, Ill
FOREIGN.	
Le Journal D'Agriculture Illustré	Montreal, Que.
Journal D'Agriculture Practique	Paris
La Sucrerie Indigene	Paris

Report of the Museum Committee.

To the State Board of Agriculture:

The Museum Committee begs leave to make the following report:

The additions to the Museum during the past year have been almost exclusively the collection of building stones. soils, woods and coals which were included in the report of this Committee for 1885, but having been on exhibition at the World's Fair in New Orleans during the winter, were not placed in the Museum until the Spring of 1886.

This collection adds greatly to the instructive value of the Museum, as well as making it much more attractive in appearance.

Respectfully submitted,

D. B. GILLHAM,
E. C. LEWIS,
D. W. VITTUM, JR.,
J. C. VAUGHAN.

CLASS A—CATTLE—BEEF BREEDS.

LAFAYETTE FUNK, *Superintendent.*

To the State Board of Agriculture:

Your Superintendent of Section 1, Class A, Beef Breeds of Cattle, would beg leave to make the following report:

The exhibit of animals in this department at the last State Fair largely exceeded in numbers that of any previous Fair for quite a number of years. The quality of the exhibit in the main was fully up to the standard of excellence. A few animals on their way to the sale ring fell slightly below the standard of a first-class showing animal, taken from the standard of an expert.

I believe it would be a wise policy for the State Board of Agriculture to offer good, fair, liberal premiums on all breeding stock of the different races of domestic animals.

This would encourage the breeders to make better show animals, and bring more herds into competition at our Fairs. If the exhibitor sees a prize in view that is sufficiently large to recompense him to some extent for his labor and skill, it stimulates and encourages him in a laudable and honorable occupation.

It is true that our exhibitors get large advertisement of their stock from showing them at the different fairs during the season, but good, liberal premiums are a great stimulant to encourage competitors to work, and he who has the best reaps the reward.

I would recommend in this connection the offering of a good, fair, liberal prize on what would be styled a "Breeder's Young Herd," to be bred and owned by the exhibitor. This would encourage the breeder and prevent the speculator from competing with animals bought or borrowed, one or two in a place, merely for the purpose of winning the prize money away from the man who spends years of hard labor for the purpose of improving the stock of the country.

I would suggest to the Board in making the premium list for the year 1887, this subject be discussed, and if thought expedient such a ring be made.

Also, in making the next premium list, if the rule governing exhibitions of the time for making entries for exhibition, and when articles or stock can be removed from the grounds or buildings, can be made any plainer, such should be considered, so this annoyance can be settled in an amicable manner.

The Fat Stock Show for the year 1886, can, without any doubt be called the best show, all things being considered, we have yet held. The producers of beef cattle are making marvellous improvement from year to year in raising cattle that have developed the most valuable points both to producer and consumer.

We had several new exhibitors, who were well pleased with their first experience with the treatment they received while with us, and will in all probability be regular contributors to the cattle department of the Fat Stock Show.

I believe the time is almost here when the exhibit of this show should be confined to the breeder. This idea is strongly urged by some of our exhibitors now.

I would suggest that the number of cattle to be slaughtered at the show be reduced to the lowest possible number. It is evident that all the information this Board and the people desire to obtain from the slaughter test can be ascertained by slaughtering half the number of cattle that we have been doing for the last two or three years. There have been quite a number of cattle brought to the block test that really were only for the benefit of the owner, in having the animal slaughtered ready for market without any expense to the owner. If any way can be devised by which this great number can be reduced, considerable expense would be saved to the Board.

While the committee used at the last Fat Stock Show were as good as we have ever had, and awarded the prizes in accordance with instructions given them, it is the opinion of your superintendent that some of the prizes awarded were not in the direction to the benefit and to the encouragement of the men who have been to all the expense, labor and skill in producing animals for exhibition.

I would suggest that when committeemen are selected for the next show, this be somewhat changed. It would perhaps be well, when the next premium list is made out, to again consider what shall constitute a herd. The change made for the last show was not entirely approved by some of the old exhibitors.

Entries, Offerings and Awards—Fair 1886.

Lot	Breed, Etc.	Number of Entries. 4 years old or over	3 years old or over	3 years old and under 4	2 years old and under 3	1 year old and under 2	Under 1 year	Total	Amount of premiums offered	Amount of Premiums paid	Diplomas offered and paid
1	Short-Horn Bulls	....	5	....	1	3	9	18	$ 135	$ 120	....
1	" cows and heifers	14	....	5	8	6	8	41	175	175	....
2	" herd—bull, cow and 3 heifers	....	....	....	....	....	....	5	50	50	....
3	" sweepstakes—bulls	....	....	....	....	....	....	9	50	50	....
3	" " —females	....	....	....	....	....	....	19	50	50	....
	Total	14	5	5	9	9	17	92	$ 460	$ 445	....
4	Hereford bulls	....	5	....	4	6	9	24	$ 135	$ 135	....
4	" cows and heifers	8	....	3	8	12	5	36	175	175	....
5	" herd—bull, cow and 3 heifers	....	....	....	....	....	....	3	50	50	....
6	" sweepstakes—bulls	....	....	....	....	....	....	12	50	50	....
6	" " —females	....	....	....	....	....	....	21	50	50	....
	Total	8	5	3	12	18	14	96	$ 460	$ 460	....
7	Devon bulls	....	6	....	2	3	6	17	$ 135	$ 90	....
7	" cows and heifers	9	....	6	4	5	7	31	175	175	....
8	" herd—bull, cow and 3 heifers	....	....	....	....	....	....	4	50	50	....
9	" sweepstakes bulls	....	....	....	....	....	....	7	50	50	....
9	" " —females	....	....	....	....	....	....	10	50	50	....
	Total	9	6	6	6	8	13	69	$ 460	$ 415	....
10	Polled Angus or Galloway bulls	....	5	....	....	6	4	15	$ 135	$ 95	....
10	" " " cows and heifers	6	....	2	5	7	6	26	175	175	....
11	" " " herd—bull, cow and 3 heifers	....	....	....	....	....	....	2	50	50	....
12	Polled Angus or Galloway sweepstakes—bulls	....	....	....	....	....	....	9	50	50	....
12	Polled Angus or Galloway sweepstakes—females	....	....	....	....	....	....	11	50	50	....
	Total	6	5	2	5	13	10	64	$ 460	$ 420	....
12½	Stock yards, Herd Prize	....	....	....	....	....	....	12	$1,000	$1,000	....
12½	Young Herd, Prize	....	....	....	....	....	....	3	.....	.....	1
	Total	....	....	....	....	....	....	15	$1,000	$1,000	1
	Grand total—1886	37	21	16	32	48	54	332	$2,840	$2,740	1
	" —1885	15	8	5	23	20	20	155	1,840	1,285	....
	" —1884	15	7	11	20	31	24	158	1,840	1,620	....
	" —1883	25	12	11	27	35	41	242	2,825	2,610	....
	" —1882	17	8	8	21	31	39	175	2,460	1,870	....
	" —1881	29	9	14	23	26	35	217	2,340	2,215	....
	" —1880	23	....	14	19	23	24	145	2,040	1,755	....
	" —1879	11	....	18	14	18	27	149	1,710	1,540	....
	" —1878	27	....	19	18	22	38	207	1,762	1,702	....
	" —1877	....	....	....	....	....	....	339	2,305	2,055	....

Respectfully submitted,

LAFAYETTE FUNK,

Superintendent.

CLASS A—DAIRY BREEDS OF CATTLE.

CHICAGO, Dec 20, 1886.

To the Illinois State Board of Agriculture, Springfield, Ill.:

GENTLEMEN: In accordance with a rule of the Board, I respectfully report as follows, the number of entries, amount offered and amount paid in premiums in each lot of this department for 1886, and the grand total of same for the nine years preceding:

Entries, Offerings and Awards—Fair, 1886.

Lot	Breed, Etc.	Number of Entries. 4 years old or over	3 years old or over	3 years old and under 4	2 years old and under 3	1 year old and under 2	Under 1 year	Total	Amount of premiums offered	Amount of premiums paid
13	Holstein-Friesian bulls	....	3		3	3	9	18	$135	$135
13	" " cows and heifers	6		5	4	5	7	27	175	175
14	" " herd—bull, cow and 3 heifers	....	....	....	....	....	....	2	50	50
15	" " sweepstakes—bulls	....	....	....	....	....	....	3	50	50
15	" " " —females	....	....	....	....	....	....	1	50	50
	Total	6	3	5	7	8	16	51	$460	$460
16	Jersey bulls	....	5	....	1	2	3	11	$135	$90
16	" cows and heifers	5	....	2	5	4	4	20	175	175
17	" herd—bull, cow and 3 heifers	....	....	....	....	....	....	3	50	50
18	" sweepstakes—bulls	....	....	....	....	....	....	6	50	50
18	" " —females	....	....	....	....	....	....	11	50	50
	Total	5	5	2	6	6	7	51	$460	$415
19	Ayrshire bulls	....	2	....	1	1	2	6	$135	$110
19	" cows and heifers	5	....	3	3	4	3	18	175	175
20	" herd—bull, cow and 3 heifers	....	....	....	....	....	....	2	50	50
21	" sweepstakes—bulls	....	....	....	....	....	....	4	50	50
21	" " —females	....	....	....	....	....	....	9	50	50
	Total	5	2	3	4	5	5	39	$460	$435
	Grand total—1886	16	10	10	17	19	28	141	$1,380	$1,310
	" —1885	20	9	7	27	29	25	164	1,380	1,350
	" —1884	10	5	6	8	13	16	80	1,380	820
	" —1883	30	11	9	27	40	42	252	2,080	2,080
	" —1882	34	8	13	20	34	38	217	1,880	1,825
	" —1881	38	14	17	22	37	39	255	1,880	1,800
	" —1880	25	....	19	19	27	15	169	1,530	1,505
	" —1879	46	....	55	50	64	70	467	1,785	1,750
	" —1878	32	....	17	15	30	47	225	1,763	1,608
	" —1877	....	....	....	....	....	....	226	1,290	1,110

By comparison it will be observed than the total number of entries for 1886 is less than for any other of the years named, except 1884, and that the amount paid in premiums is also less than for any other of these same years except 1877 and 1884. The falling off in 1884 is easily accounted for by the fact that certain herds of Jersey cattle in this country were then thought to be infected with that cattle breeders' terror, pleuropneumonia, inducing the Board to decline to admit any of that breed to the exhibition of that year. This disease disappeared, and as a result of the return of the Jerseys, the number of entries for the two subsequent years increased considerably.

There has not been, and probably will never be any very marked improvement in the quality of the animals exhibited in this department for the reason doubtless that these dairy breeds had been so carefully bred and had so nearly reached perfection in their characteristics before they were imported in any considerable numbers to this country. that it seems practically out of the question to improve these any further by any method of selection or care. or feeding, which can be profitably adopted here by our breeders. The type in each is so well defined, and the results of breeding so uniform that any real departure seems to be for the worse instead of for the better, in proportion, as the intelligent attention of the breeder is relaxed or withdrawn.

This view of the situation is founded of course, upon the assumption that our importers of these breeds of Dairy Cattle have been able to obtain as good specimens as have been produced abroad and they have probably taken their choice in the native pastures at the large prices they have reported as paid. It is also understood that it applies to *thoroughbreds* only.

The question of originating an American Breed of Dairy Cattle which shall respond to the needs of the general dairy district of this country better than either of those now existing, is engaging the attention of intelligent breeders, and has been suggested by the results of occasional first and second crosses of pure bred Dairy Stock upon good milkers of natives or specimens of the best milking familes of the Short-horns or other large breeds. The experiment is an interesting one, and if persistently and intelligently conducted, would seem to promise remunerative success.

Respectfully submitted,

JOHN P. REYNOLDS,

Superintendent Class A, Cattle—Dairy Breeds.

CLASS B—HORSES—LIGHT HORSES.

E. C. LEWIS, *Superintendent.*

To the Illinois State Board of Agriculture:

GENTLEMEN: Believing that there should be radical changes in the Light Horse Department, I beg to be excused from reporting suggestions, and ask that the following statement of awards be accepted. It is my purpose, if continued in this department, to ask the appointment of a committee to report upon a classification and prizes at the adjourned session of the Board.

Entries, Offerings and Awards—Fair, 1886.

Lot	Breed, Etc.	Number of Entries.								Amount of premiums offered	Amount of premiums paid
		4 years old or over	3 years old and under 4	2 years old and under 3	1 year old and under 2	Under 1 year old	Brood mare with 2 colts	Stallion with 5 colts	Total		
22	Thoroughbred stallions	4	3	1	4	2	....	2	16	$250	$200 00
22	" mares	3	3	2	4	1	2	....	15	200	80 00
23	" sweepstakes—stallions	....	....	....	....	..	....	....	7	100	100 00
23	" " —mares	....	....	....	.	..	....	....	6	50	50 00
	Total	7	6	3	8	3	2	2	44	$600	$430 00
24	Roadster stallions	10	7	12	8	6	....	4	47	250	250 00
24	" mares	13	4	13	4	8	2	....	44	200	200 00
25	" sweepstakes—stallions	....	....	....	....	..	....	....	16	100	100 00
25	" " —mares	....	....	....	....	..	....	....	15	50	50 00
	Total	23	11	25	12	14	2	4	122	$600	$600 00
26	Saddle stallions	6	....	2	....	..	....	1	9	90	50 00
26	" mares	4	1	1	....	..	....	....	6	90	70 00
26	" geldings—sweepstakes	....	....	....	....	..	....	....	10	50	50 00
26	" mares— "	....	....	....	....	..	....	....	6	50	50 00
26	" stallions— "	.	....	....	....		....	....	6	100	100 00
	Total	10	1	3	....	..	....	1	37	$380	$320 00
27	Carriage team	....	....	....	....	..	....	....	6	60	60 00
27	Family mare or gelding	....	....	....	....	..	....	....	16	30	30 00
	Total	....	....	....	....	..	....	....	22	$90	$90 00
28	Gentlemen's driving horses—pair mares	....	....	....	....	..	....	....	7	60	60 00
28	" " — " geldings	....	....	....	....	..	....	....	6	60	60 00
28	" " —single stallion	....	....	....	....	..	....	....	5	60	60 00
28	" " — " mare	....	....	....	....	..	....	....	13	45	45 00
28	" " — " gelding	....	....	....	....	..	....	....	20	45	45 00
	Total	....	....	....	....	..	....	....	51	$270	$270 00
29	Equestrianism—boy's riding	....	....	....	....	..	....	....	5	21	21 00
30	Saddle ponies	....	....	....	....	..	....	....	11	30	30 00
	Speed.										
31	Trotting race, two-year-olds, stake $250	....	....	....	....	..	....	....	22	250	585 00
31	Trotting race, three-year-olds, stake $250	....	....	....	....	..	....	....	16	250	436 00
31	Trotting race, four-year-olds, stake $250	....	....	....	....	..	....	....	11	250	369 00
31	Trotting race, stallions having made season 1886, stake $250	....	....	....	....	..	....	....	9	250	300 00
31	Running race, two-year-olds, stake $250	....	....	....	....	..	....	....	10	250	410 00
31	Running race, three-year-olds, stake $250	....	....	....	....	..	....	....	7	250	370 00
31	Running race, four-year-olds, stake $250	....	....	....	....	..	....	....	4	250	.....
31	Trotting race, free-for-all Illinois bred horses, stake $500	....	....	....	....	..	....	....	1	500	.....
31	Running race, free-for-all Illinois bred horses, stake $500	....	....	....	....	..	....	....	4	500	.....
31	Pacing race, stake $1,200	....	....	....	....	..	....	....	6	1,200	1,200 00
31	Trotting race, 2:15 class, stake $1,800	....	....	....	....	..	....	....	2	1,800	.....

Entries, Offerings and Awards, Fair 1886—*Continued.*

Lot	Breed, Etc.	Number of Entries.								Amount of premiums offered	Amount of premiums paid
		4 years old or over	3 years old and under 4	2 years old and under 3	1 year old and under 2	Under 1 year old	Brood mare with 2 colts	Stallion with 5 colts	Total		
31	Special trotting race, 2:15 class, stake $1,800	....	....	....	....	..	....	....	3	$2,000	$1,600 00
31	Special trotting race, stake $400	....	....	....	....	..	....	....	3	400	400 00
31	Special running race, stake $390	....	....	....	....	..	....	....	3	390	390 00
	Grand total, 1886	40	18	31	20	17	4	7	393	$10531	$7,821 50
	" 1885	50	15	20	15	7	6	7	298	5,190	3,861 00
	" 1884	37	10	12	17	11	4	3	258	7,691	6,228 50
	" 1883	29	12	17	10	6	1	3	288	7,881	7,070 00
	" 1882	63	21	35	28	25	5	1	414	2,811	3,331 00
	" 1881	44	16	14	17	30	11	5	315	2,721	3,106 00
	" 1880	36	10	24	17	22	2	3	332	3,911	3,721 00
	" 1879	39	15	25	51	34	14	1	371	1,571	1,491 00
	" 1878	36	17	11	7	14	3	....	206	1,750	1,570 00
	" 1877	....	....	....	....	..	....	....	179	1,540	1,195 00

Respectfully submitted,

E. C. LEWIS, *Superintendent.*

CLASS B—HEAVY HORSES.

D. GORE, *Superintendent.*

To the State Board of Agriculture:

The exhibit of heavy horses at the late fair was a grand show, surpassing not only any former exhibit ever made in this State, but was doubtless the largest as well as the best show of heavy horses ever seen on this continent, if not in the world.

All the lots were well filled, some being exceedingly large, and of course consumed considerable time in their examination, by the committee, but this vast work was performed by the various committees with care and patience, and gave reasonably good satisfaction both to exhibitors and the public. The exhibit consisted of the following kinds and numbers:

French Draft	94	Entries
Percheron (so called)	405	"
Clydesdales	167	"
English Shires	136	"
Cleveland Bays	64	"
Grade Draft	198	"
Horses for all work	102	"
Jacks, Jennets and Mules	16	"
Making a grand total of	1,183	

In some instances it was difficult to find competent and acceptable committeemen who were willing to serve. We were also at times delayed by stock not getting into the ring, attributable to tardiness of exhibitors, and partly on account of each kind not being grouped together so that they could be called without making a tour of all the stalls on the grounds.

Yet, notwithstanding these difficulties, and the unprecedented number of animals to be called, and to be passed upon by committee, your superintendent was enabled, by the very efficient assistance rendered by Capt. A. C. Hulse, T. K. Gore, and Maj. J. T. Whitlege, to finish the work of each day according to programme.

I will here offer a tabulated statement of all entries, offerings, and awards, which was furnished me by our secretary.

Entries, Offerings and Awards.

Lot	Breed, Etc.	Number of Entries. 4 years old or over	3 years old and under 4	2 years old and under 3	1 year old and under 2	Under 1 year old	Brood mare with 2 colts	Stallion with 5 colts	Total	Amount of premiums offered	Amount of premiums paid
32	French draft stallions	15	5	4	3	2	....	1	30	$250	$250
32	" mares	10	3	4	3	5	5	....	30	200	200
33	" sweepstakes—stallions	....	....	....	....	....	....	....	19	100	100
33	" " —mares	....	....	....	....	....	....	....	15	50	50
	Total	25	8	8	6	7	5	1	94	$600	$600
34	Percheron stallions	79	58	41	12	6	....	2	198	250	259
34	" mares	67	23	14	19	7	4	....	134	200	200
34½	" sweepstakes—stallions	....	....	....	....	....	....	....	38	100	100
34½	" " —mares	....	....	....	....	....	....	....	35	50	50
	Total	146	81	55	31	13	4	2	405	$600	$600
35	Clydesdale stallions	31	13	15	11	8	....	2	80	250	250
35	" mares	12	3	5	7	2	9	....	38	200	200
36	" sweepstakes—stallions	....	....	....	....	....	....	....	31	100	100
36	" " mares	....	....	....	....	....	....	....	18	50	50
	Total	43	16	20	18	10	9	2	167	$600	$600
37	English Shire stallions	21	19	11	4	2	....	....	57	250	150
37	" mares	18	4	4	3	3	2	....	34	200	200
38	" sweepstakes—stallions	....	....	....	....	....	....	....	28	100	100
38	" " —mares	....	....	....	....	....	....	....	17	50	50
	Total	39	23	15	7	5	2	....	136	$600	$500
39	Cleveland Bay stallions	6	10	9	3	....	....	....	28	250	125
39	" mares	8	5	4	....	....	....	....	17	200	100
40	" sweepstakes—stallions	....	....	....	....	....	....	....	12	100	100
40	" " —mares	....	....	....	....	....	....	....	7	50	50
	Total	14	15	13	3	....	....	....	64	$600	$375
41	Grade draft stallions	7	4	23	17	10	....	4	65	250	250
41	" mares	25	9	13	7	12	9	....	73	200	200
42	" sweepstakes—stallions	....	....	....	....	....	....	....	31	100	100
42	" " —mares	....	....	....	....	....	....	....	30	50	50
	Total	32	11	36	24	22	9	4	199	$600	$600
43	Horses for all work—stallions	12	3	12	7	5	....	4	43	250	250
43	" " —mares	4	5	4	1	7	3	....	24	200	190
44	" " —sweepstakes—stallions	....	....	....	....	....	....	....	23	100	100
44	" " " —mares	....	....	....	....	....	....	....	12	50	50
	Total	16	8	16	8	12	3	4	103	$600	$590
45	Jacks	....	....	1	1	1	....	....	3	150	50
45	Jennets	....	2	1	1	1	....	....	5	115	90
45	Mules	....	4	....	....	....	....	....	4	90	25
46	Sweepstakes—Jack with 3 colts	....	....	....	....	....	....	....	....	50	.....
46	" —jennet with 2 colts	....	....	....	....	....	....	....	2	25	25
46	" —mule team	....	....	....	....	....	....	....	2	30	30
	Total	....	6	2	2	2	....	....	16	$460	$220
	Grand total—1886	315	168	165	99	71	32	13	1183	$4,660	$4,185
	" —1885	105	60	89	49	30	16	5	537	3,470	2,675
	" —1884	108	64	86	52	31	15	6	551	2,875	2,260
	" —1883	122	75	122	42	19	5	3	666	2,875	2,075
	" —1882	69	38	34	24	24	6	2	308	2,065	1,725
	" —1881	63	38	39	23	23	6	1	344	2,125	1,625
	" —1880	65	28	28	25	46	7	7	332	2,430	1,950
	" —1879	185	78	98	95	116	36	8	957	2,430	2,300
	" —1878	89	52	40	49	39	12	....	411	2,190	1,950
	" —1877	....	....	....	....	....	....	....	274	1,870	1,530

"I respectfully suggest a few changes or amendments for the heavy horse department for the coming fair, viz: One class for all the 'so-called' 'Norman,' 'Percheron' and 'French Draft Horses.'

"During the past year I have obtained all the information I could bearing on the history, breeding, and the manipulation of breeders and dealers of these horses, and what I have learned has strengthened my belief that they are all one and the same breed of horses, and are therefore entitled to but one class.

"To the lot for Cleveland Bays, I would add, 'and other coach horses,' since there are other coach horses deserving the recognition of this Board, but are not in sufficient numbers to justify a separate class or lot.

"I would further suggest, that as soon as the entries are all made, the Secretary furnish the Superintendent of Stalls a list of entries, which would enable him to group each class or breed together, thereby saving much time in calling stock for the ring, also increasing the chances of exhibitors being notified when wanted in the ring.

"The present mode of selecting judges for the heavy horse department does not give that degree of satisfaction which is desirable, and a large majority of exhibitors seem to be very desirous that this Board adopt some means by which more satisfactory judges will be secured. A majority favor one good judge of known integrity, rather than the present rather hap-hazard mode of selecting them.

"The heavy horse exhibit at the late Fat Stock Show proved to be a very attractive addition to this already popular exhibition. It was very noticeable that when horses were in the ring that large crowds of interested spectators were gathered to witness their exhibition, and at all times about the stalls were large numbers of visitors (ladies as well as gentlemen) who seemed to be delighted with the grand and magnificent display.

"The only difficulty encountered in showing these horses for awards, was a want of a larger ring for their proper display. If Mr. Lewis' department had been as full as ours, we would have been obliged to make some awards at evening meetings. If this show grows according to present promise, a larger show ring will be, not only necessary, but absolutely indispensible.

"All of which is respectfully submitted,

"D. GORE, *Supt. Class B.*"

CLASS C—SHEEP.

D. W. VITTUM, JR., *Superintendent.*

To the Illinois State Board of Agriculture:

The exhibit of all the recognized breeds of sheep at the late Fair was up to the former high standard in point of quality. The number of head on exhibition was not quite so large as last season, but this difference was more than made up by the uniform quality.

The exhibit of sheep at the Fat Stock Show was larger than heretofore, and the high quality of the stock has never been surpassed.

It is recommended that the request of exhibitors be granted that the heading of the lot for grades and classes be changed and made to include only cross-bred sheep.

The following tables give the number of entries of sheep at the Fair and Fat Stock Show, as well as the amount of premiums offered and paid at each exhibition:

Entries, Offerings and Awards—Fair 1886.

Lot	Breed, Etc	Number of Entries. 2 years old and over	1 year old or under 2	Under 1 year old	Total	Amount of premiums offered	Amount of premiums paid
52	Cotswold rams	2	1	3	6	$65	$55
52	" ewes	5	1	3	9	65	55
52	" rams—sweepstakes	....	....	....	4	20	20
52	" ewes— "	....	....	....	4	20	20
	Total	7	2	6	23	$170	$150
53	Leicester rams	3	4	3	10	65	65
53	" ewes	4	3	3	10	65	65
53	" rams—sweepstakes	....	....	....	3	20	20
53	" ewes— "	....	....	....	3	20	20
	Total	7	7	6	26	$170	$170

Entries, Offerings and Awards—Continued.

Lot	Breed, Etc.	Number of Entries. 2 years old or over	1 year old and under 2	Under 1 year old	Total	Amount of premiums offered	Amount of premiums paid
54	Lincoln rams	3	3	3	9	$65	$65
54	" ewes	3	3	2	8	65	65
54	" rams—sweepstakes	....	....	....	3	20	20
54	" ewes— "	....	....	....	3	20	20
	Total	6	6	5	23	$170	$170
55	Long Wool sweepstakes—ram any age	....	....	....	6	20	20
55	" " —ewe any age	....	....	....	5	20	20
55	" " —ram and 5 ewes	....	....	....	2	20	30
55	" " —ram with 5 of his get	....	....	...	3	30	30
	Total	....	....	....	16	$100	$100
56	Southdown rams	1	1	1	3	65	40
56	" ewes	1	1	1	3	65	40
56	" rams—sweepstakes	....	....	....	1	20	20
56	" ewes— "	....	....	....	1	20	20
	Total	2	2	3	8	$170	$120
57	Shropshire rams	6	6	6	18	65	65
57	" ewes	8	8	8	24	65	65
57	" rams—sweepstakes	....	....	....	7	20	20
57	" ewes— "	....	....	....	7	20	20
	Total	14	14	14	56	$170	$170
58	Hampshire rams	3	2	2	7	65	65
58	" ewes	5	3	2	10	65	65
58	" rams—sweepstakes	....	....	....	2	20	20
58	" ewes— "	....	....	....	4	20	20
	Total	8	5	4	23	$170	$170
59	Oxford rams	4	6	5	15	65	65
59	" ewes	16	14	14	44	65	65
59	" rams—sweepstakes	....	....	....	7	20	20
59	" ewes— "	....	....	....	9	20	20
	Total	20	20	19	75	$170	$170
60	Middle Wool Sweepstakes—ram any age	....	....	....	13	20	20
60	" " " —ewe any age	....	....	....	14	20	20
60	" " " —ram and 5 ewes	....	....	....	6	30	30
60	" " " —ram with 5 of his get	....	....	....	5	30	30
	Total	....	....	....	38	$100	$100
61	American Merino rams	12	7	9	28	65	65
61	" " ewes	16	11	9	36	65	65
61	" " rams—sweepstakes	....	....	....	7	20	20
61	" " ewes— "	....	....	....	6	20	20
	Total	28	18	18	77	$170	$170
62	French Silesian and Saxony Merino rams	1	....	....	1	65	.....
62	" " " " ewes	....	....	....	....	65	.....
62	" " " " rams—sweepstakes	....	....	....	1	20	.....
62	" " " " ewes— "	....	....	....	....	20	.....
	Total	1	....	....	2	$170	.....
63	Fine Wool sweepstakes—ram any age	....	....	....	8	20	20
63	" " —ewe any age	....	....	....	7	20	20
63	" " —ram and 5 ewes	....	....	....	5	30	30
63	" " —ram with 5 of his get	....	....	....	3	30	30
	Total	....	....	....	23	$100	$100

Entries, Offerings and Awards—Continued.

Lot.	Breed. Etc.	Number of Entries. 2 years old or over	1 year old and under 2	Under 1 year old	Total	Amount of premiums offered	Amount of premiums paid
64	Grand sweepstakes—flocks	....	....	....	5	$150	$150
	Grand total, 1886	93	74	74	395	1,980	1,740
	" 1885	105	110	102	554	1,980	1,775
	" 1884	88	98	70	409	1,880	1,485
	" 1883	64	72	60	317	1,320	1,085
	" 1882	92	103	85	431	1,320	1,090
	" 1881	75	90	61	348	1,290	1,260
	" 1880	87	75	77	370	1,290	1,265
	" 1879	88	145	77	456	1,290	990
	" 1878	30	44	30	453	775	765
	" 1877	....	....	....	320	660	630

Respectfully submitted.

D. W. VITTUM, JR.,
Superintendent.

CLASS D—SWINE.

E. B. DAVID, *Superintendent.*

To the Illinois State Board of Agriculture:

In numbers the show at the State Fair was somewhat less than last year, but in quality was much better than at most of the previous years.

The States of Pennsylvania, Ohio, Indiana, Michigan, Wisconsin and Missouri, were represented. The usual inconvenience was experienced for want of proper show ring in both State Fair and at Fat Stock Show.

I think it due the exhibitors to have good show rings.

I would also recommend that the Secretary furnish this department with the numbers of the swine in each lot as soon as the entries close, that proper arrangement may be made in grouping of the different breeds.

FAT STOCK SHOW.

The number of swine on exhibition was 107, among which were many very fine specimens.

I would recommend that lot 58 (Grades and Crosses) be stricken from the premium list. I would also suggest some changes which may be brought before the new Board at the proper time.

Entries, Offerings and Awards—Fair 1886.

Lot.	Breed, etc.	Number of Entries. 2 years old or over	1 year old and under 2	Under 1 year	Total	Amount of premiums offered	Amount of premiums paid
66	Berkshire boars	4	3	2	9	$85	$85
66	" sows	7	11	5	23	85	85
66	" sow and pigs	....	....	....	1	30	20
66	" boar and 4 sows	....	....	....	3	25	25
66	" boar and 5 of his get	....	....	..	1	20	.....
67	" sweepstakes—boars	....	....	....	6	20	20
67	" " sows	....	....	....	14	20	20
	Total	11	14	7	57	$385	$255

Entries, Offerings and Awards—Continued.

Lot	Breeds, ets.	Number of Entries. 2 years old or over	1 year old and under 2	Under 1 year	Total	Amount of premiums offered	Amount of premiums paid
68	Poland-China boars	7	6	15	28	$85	$85
68	" sows	9	17	17	43	85	85
68	" sow and pigs	....	....	....	1	30	20
68	" boar and 4 sows	....	....	....	4	25	25
68	" boar and 5 of his get	....	....	....	4	20	20
69	" sweepstakes—boars	....	....	....	17	20	20
69	" " sows	....	....	....	23	20	20
	Total	16	23	32	120	$285	$275
70	Victoria boars	2	2	5	9	85	85
70	" sows	2	7	6	15	85	85
70	" sow and pigs	....	....	....	3	30	30
70	" boar and 4 sows	....	....	....	3	25	25
70	" boar and 5 of his get	....	....	....	4	20	20
71	" sweepstakes—boars	....	....	....	4	20	20
71	" " sows	....	....	....	7	20	20
	Total	4	9	11	45	$285	$285
72	Chester White boars	3	3	6	12	85	85
72	" sows	4	7	5	16	85	85
72	" sow and pigs	....	....	....	5	30	30
72	" boar and 4 sows	....	....	....	3	25	25
72	" boar and 5 of his get	....	....	....	2	20	20
73	" sweepstakes—boars	....	....	....	4	20	20
73	" " sows	....	....	....	7	20	20
	Total	7	10	11	49	$285	$285
74	Essex boars	1	4	5	10	85	75
74	" sows	3	4	5	12	85	85
74	" sow and pigs	....	....	....	3	30	30
74	" boar and 4 sows	....	....	....	2	25	25
74	" boar and 5 of his get.	....	....	....	2	20	20
75	" sweepstakes—boars	....	....	....	5	20	20
75	" " sows	....	....	....	5	20	20
	Total	4	8	10	39	$285	$275
76	Small Yorkshire and Suffolk boars	4	3	6	13	85	85
76	" " sows	4	4	6	14	85	85
76	" " sow and pigs	....	....	....	3	30	30
76	" " boar and 4 sows	....	....	....	3	25	25
76	" " boar and 5 of his get	....	....	....	3	20	20
77	" " sweepstakes—boars	....	....	....	5	20	20
77	" " " sows	....	....	....	6	20	20
	Total	8	7	12	47	$285	$285
78	Duroc-Jersey Red boars	2	2	3	7	85	85
78	" " sows	3	7	5	15	85	85
78	" " sow and pigs	....	....	....	.....	30	.....
78	" " boar and 4 sows	....	....	....	1	25	25
78	" " boar and 5 of his get	....	....	....	1	20	20
79	" " sweepstakes—boars	....	....	....	6	20	20
79	" " " sows	....	....	....	6	20	20
	Total	5	9	8	36	$285	$255

Entries, Offerings and Awards—Continued.

Lot	Breeds, etc.	Number of Entries. 2 years old or over	1 year old and under 2	Under 1 year	Total	Amount of premiums offered	Amount of premiums paid
	Grand total, 1886	55	80	91	393	$2,065	$1,915
	" 1885	78	77	144	515	1,760	1,710
	" 1884	64	84	141	532	1,835	1,775
	" 1883	72	87	161	579	1,835	1,800
	" 1882	41	58	111	375	1,550	1,530
	" 1881	55	65	117	429	1,475	1,465
	" 1880	62	68	128	439	1,475	1,425
	" 1879	59	75	65	139	1,485	1,475
	" 1878	70	87	331	596	1,420	1,420
	" 1877	....	....	....	843	1,485	1,380

Respectfully submitted,

E. B. DAVID, *Snperintendent.*

CLASS E—POULTRY.

JOHN GRIFFITH, *Superintendent.*

To the State Board of Agriculture:

The exhibit of Poultry at the late Fair was large in every department, and the quality was unusually good in both land and water fowls.

The experiment of having one expert judge gives entire satisfaction. The entire space assigned to the department was fully occupied.

The interest in the exhibit of Poultry is increasing each year, and all in attendance at the Fair spend a very considerable portion of their time in examining the many useful and beautiful varieties of land and water fowls that have been brought to such a high state of perfection of late years.

The following table gives the number of entries at the late Fair, as well as the amount of premiums offered and paid in this department:

Entries, Offerings and Awards, Fair 1886.

Lot	Breed, Etc.	Number of entries.	Amount of premiums offered.	Amount of premiums paid.
81	Asiatic	107	$80	$70
82	Dorking, Dominique and Plymouth Rock	44	60	49
83	Spanish	43	60	50
84	Hamburg	30	60	44
85	Polish	28	50	35
86	French	16	30	20
87	Game	23	125	57
88	Bantams	44	90	68
89	Miscellaneous	51	60	38
90	Guineas	14	20	15
91	Turkeys	32	82	50
92	Ducks	37	55	50
93	Geese	20	40	34
94	Rabbits	4	35	11
95	Ferrets	3	10	8
96	Pigeons	3	15	15
	Total, 1886	499	$872	$614

Entries, Offerings and Awards—Continued.

Lot.....	Breed, Etc.	Number of entries.	Amount of premiums offered.	Amount of premiums paid.
	Total, 1885	528	$867	$604
	" 1884	497	857	539
	" 1883	166	812	322
	" 1882	329	812	481
	" 1881	205	812	398
	" 1880	352	817	447
	" 1879	454	812	509
	" 1878	359	784	537
	" 1877	394	663	379

Respectfully submitted,

JOHN GRIFFITH, *Superintendent.*

FAT STOCK SHOW,

To the State Board of Agriculture:

The exhibition of Poultry held in connection with the recent Fat Stock Show, by the Western Poultry Show and under the auspices of this Board, was the largest and most creditable show of all the varieties of Poultry ever held in the West.

There were nearly thirteen hundred birds on exhibition, representing all the leading breeders of Poultry in the country.

The exhibit creditably represented the best breeders of the States of Illinois, Wisconsin, New York, Pennsylvania, Ohio, Nebraska, Iowa and Indiana.

In addition to the show of fowls, nearly every appliance used in the hatching and the care of Poultry was on exhibition.

The display of Poultry was among the chief attractions of the Show, and the exhibitors of Poultry are entitled to the thanks of the management for the enterprise manifested in connection with one of the largest and most successful exhibitions of Poultry ever held in this country.

Your Superintendent would strongly recommend that in the future the exhibition of Poultry be made one of the regular departments of the Show and be placed under the management of a member of the Board. It is further recommended that at least five hundred dollars be provided as a premium fund for the Poultry exhibit to be held in connection with the Fat Stock Show.

Respectfully submitted,

JOHN GRIFFITH.

CLASS F—MECHANICS.

J. C. VAUGHAN, *Superintendent.*

To the Illinois State Board of Agriculture:

The entries in regular lots in this class were very meagre, but the miscellaneous entries were numerous and varied. The most commendable ones will be brought to your notice in the report of the committee on Miscellaneous Awards.

The following table gives the entries, offerings and awards in this class for a number of years past:

Entries, Offerings and Awards, Fair 1886.

Lot.....	Articles.	Number of entries....	Silver Medals.		Cash Premiums.	
			No. offered.	No. paid.	Amount offered.	Amount paid.
97	Stoves, metal work, etc	1	9	.....	$40	.....
98	Furniture, desks, etc	6	1	1	.....	.....
99	Manufactures of various kinds	7	8	2	45	$35
100	Leather and products of same	....	.....	.....	.....	.....
101	Sewing and knitting machines	2	.....	.....	.....	.....
102	Mining machinery	....	1	.....	10	.....
	Total, 1886	16	19	3	$95	$35

Entries, Offerings amd Awards—Continued.

Lot.....	Articles.	Number of entries...	Silver Medals.		Cash Premiums.	
			No. offered.	No. paid.	Amount offered.	Amount paid.
	Total, 1885	11	19	4	95	35
	" 1884	65	.....	.....	.....	.....
	" 1883	103	.....	.....	.....	.....
	" 1882	125	64	18	65	55
	" 1881	92	64	17	65	65
	" 1880	48	47	17	75	65
	" 1879	96	26	10	75	70
	" 1878	74	107	17	75	35
	" 1877	152	105	28	75	65

Respectfully submitted,

J. C. VAUGHAN, *Superintendent.*

CLASS G—FARM PRODUCTS.

JOSEPH SKEAVINGTON, *Superintendent.*

To State Board of Agriculture:

I have the honor of submitting the following report of my department:

The display of Farm Products this year was far superior to that of any previous year, although the number of entries did not quite come up to that of last year, owing to the fact that the professional seedmen were prohibited from competing with the amateur seedmen. This arrangement was, though, entirely satisfactory to both classes of exhibitors. The display of bread, cakes, pastry, etc., was very creditable and effective. By request of the lady exhibitors, I would recommend that the display of canned fruits and preserves be transferred to this department. Although the display of bees, honey, etc., was small, I would suggest that they be still continued, as it is one of the important industries that should meet with encouragement from this Board.

The space allowed for the exhibits of Class G would not have been sufficient for more than two-thirds of the applicants had it not been for the kindness of Mr. Chester, Superintendent of the Dairy Department, who let me use almost one-half of his space.

A very great deal of taste was used by the exhibitors in the arrangement of their displays, and they received numerous compliments from the throngs of visitors.

The following table shows the number of entries in this class, and the number of diplomas and premiums offered and awarded:

Entries, Offerings and Awards—Fair 1886.

Lot.....	Articles.	Number of entries...	Silver Medals.		Diplomas.		Cash Premiums.	
			No. offered.	No. awarded.	No. offered.	No. awarded.	Amount offered.	Amount paid.
103	Grains and seeds (amateurs)	144	1	1	.....	.....	$168	$161
103½	Grains and seeds (professional)	9	1	1	3	3	75	75
104	Corn	59	.....	.....	.....	.....	131	131
105	Vegetables	160	1	1	2	1	212	196
106	Bread, cakes, etc	95	.....	.....	6	.....	173	147
107	Bees, honey, etc	4	.....	.....	1	.....	39	21
	Total, 1886	471	3	3	12	4	$798	$731
	" 1885	591	2	2	9	3	710	627
	" 1884	426	1	1	10	2	1,198	1,075
	" 1883	299	.....	.....	8	1	802	568
	" 1882	606	.....	.....	8	3	802	701
	" 1881	361	.....	.....	7	2	759	552
	" 1880	580	.....	.....	7	1	726	611
	" 1879	655	.....	.....	7	1	711	626
	" 1878	455	.....	.....	.....	.....	684	594
	" 1877	412	.....	.....	.....	.....	674	556

Respectfully submitted,

JOSEPH SKEAVINGTON, *Superintendent.*

CLASS H—HORTICULTURE AND FLORICULTURE.

GEORGE S. HASKELL, *Superintendent.*

To the State Board of Agriculture:

The exhibit of fruits, flowers and plants at the late Fair was most creditable and an improvement over previous exhibitions in this department.

The extent of the exhibit in this department is noted in the following table, which gives the number of entries, amount of premiums offered and paid at the late Fair.

There are some desirable changes to be made in the classification, which will be presented when the matter of premium list for 1887 is considered.

Entries, Offerings and Awards—Fair 1886.

SECTION 1.

Lot.....	Articles.	Number of entries..	Silver Medals.		Diplomas.		Cash Premiums.	
			No. offered.	No. awarded.	No. offered.	No. awarded.	Amount offered.	Amount paid.
108	Flowers and plants (for professionals only).....	43	2	2	2	2	$159	$149
109	Cut flowers (for professionals only).....	78	3	3	4	4	367	340
110	Cut flowers, floral designs and bouquets (by amateurs)....	64	.....	.....	.....	.....	158	157
	Total, 1886.....	185	5	5	6	6	$684	$646
	" 1885.....	213	4	3	6	6	843	722
	" 1884.....	192	7	3	7	5	831	639
	" 1883.....	137	5	2	5	2	781	466
	" 1882.....	274	4	1	5	2	715	596
	" 1881.....	214	3	1	6	3	725	497
	" 1880.....	279	3	1	5	3	763	506
	" 1879.....	282	2	.....	7	5	675	559
	" 1878.....	365	.....	.....	.....	.....	630	539
	" 1877.....	400	.....	.....	.....	.....	615	526
	SECTION 2.							
111	Home-grown fruits (for professionals only).....	46	.....	.....	2	.....	$330	$295
112	Home-grown fruits (for amateurs only).....	37	.....	.....	.....	.....	91	70
113	Jellies, preserves, pickles, etc	24	2	.....	1	.....	210	210
	Total, 1886.....	107	2	.....	3	.....	$631	$575
	" 1885.....	161	2	.....	3	1	642	568
	" 1884.....	116	1	.....	5	1	699	609
	" 1883.....	129	1	.....	3	1	623	709
	" 1882.....	84	1	.....	3	.....	561	496
	" 1881.....	149	1	.....	3	1	561	477
	" 1880.....	226	1	.....	2	.....	611	516
	" 1879.....	883	2	.....	3	.....	614	549
	" 1878.....	528	.....	.....	.....	.....	609	540
	" 1877.....	350	.....	.....	.....	.....	510	356

Respectfully submitted,

GEO. S. HASKELL. *Superintendent.*

CLASS I—ARTS.

J. IRVING PEARCE, *Superintendent.*

The exhibit in this department was a credit to our Fair. While there was not as large a number of oil paintings as last year, there were many meritorious pictures, and what was lacking in this department was more than made up in the display of industrial work.

The exhibit of decorated pottery excelled any ever before made in Chicago at any Fair or Exposition in extent, originality of design and beauty of decoration and finish. It was a credit to our State and justified the Board in offering the liberal premiums which they did for this department.

I would recommend several changes in the premium list. Would increase the number of prizes, thus inducing a greater number of exhibits and exhibitors, and encouraging all classes of artists. I would also recommend that the superintendent of this department be allowed to select the judges to award the premiums. His experience would make him well qualified to select capable and just critics. This course, I am convinced, would encourage a greater number of our better artists to exhibit at our Fair, and thus aid in raising our standard of art.

I herewith submit a copy of the premium list which I suggest to be substituted for that of 1886, embodying all the changes and additions in the above recommendations. It increases the number of classes of premiums and only slightly increases the total amount offered.

The number of entries and of premiums offered and awarded in this department at the Fair of 1886, is as follows:

Entries, Offerings and Awards—Fair 1886.

Lot.....	Articles.	Number of entries...	Silver Medals.		Cash Premiums.	
			Number offered.	Number awarded.	Amount offered.	Amount paid.
114	Fine arts	114	.....	.....	$183	$164
115	Decorative art	129	.....	.....	374	307
	Total, 1886	243	.....	.....	$557	$471
	" 1885	277	3	.....	493	400
	" 1884	271	3	1	478	430
	" 1883	111	6	1	383	214
	" 1882	196	61	20	176	70
	" 1881	186	43	28	91	56
	" 1880	168	34	22	91	91
	" 1879	214	16	16	96	93
	" 1878	103	29	12	96	78
	" 1877	162	58	12	161	86

Respectfully submitted,

J. IRVING PEARCE,

Superintendent.

CLASS K—TEXTILE FABRICS.

M. A. MORSE, *Superintendent.*

To the State Board of Agriculture:

The increased interest manifested in Department "K" at the Fair of 1886, by both exhibitors and visitors, was very encouraging. The unique designs in the different lots were very attractive and made this department one of the great features of the Fair. Better protection from dust and handling should be afforded the more delicate and costly exhibits.

A tabulated statement of entries, offerings and awards is hereto attached:

Entries, Offerings and Awards—Fair 1886.

Lot.....	Articles.	Number of entries...	Diplomas.		Cash Premiums.	
			Number offered.	Number awarded.	Amount offered.	Amount paid.
116	Manufactured goods	.....	17	.....	.....	.....
117	Hand work	200	.....	.....	$111	$111
118	Quilts and patchwork	112	.....	.....	83	80
119	Ornamental needle-work	489	.....	.....	268	260
120	Fancy work	204	.....	.....	88	88
121	Display of ladies' work	18	.....	.....	105	105
	Total, 1886	1,023	17	.....	$655	644
	" 1885	938	17	.....	721	700
	" 1884	1,047	19	4	753	729
	" 1883	727	14	2	592	570
	" 1882	746	13	1	575	542
	" 1881	842	13	.....	587	541
	" 1880	949	13	1	565	523
	" 1879	995	13	2	557	517
	" 1878	618	17	.....	480	417
	" 1877	588	.....	.....	588	486

Respectfully submitted,

M. A. MORSE, *Superintendent.*

CLASS L—EDUCATION AND SCIENCE.

ALLAN C. RUSH,, *Superintendent.*

To the State Board of Agriculture:

An increased interest was manifested in all of the exhibits of school work, especially in object drawing and painting.

An exhibit was made by the Chicago Manual Training School which we hope will be enlarged in the future.

By the School for Feeble Minded Children, of Lincoln, Ill., a pleasing exhibit was made, including some excellent workmanship in beaten brass.

The Department of Education, though comparatively new in the State Board, is attaining prominence and winning friends, which promises much for the future.

To the members of the Board I am indebted for their co-operation and assistance, and especially to Mr. Lane, Superintendent of Cook county.

The following tables give the number of entries and amount of premiums offered and paid in Class L at the fair of 1886.

Entries, Offerings and Awards—Fair 1886.

Lot	Exhibit.	Number of entries	Diplomas.		Cash Premiums.	
			No. offered.	No. awarded.	Amount offered.	Amount paid.
122	Graded School exhibit	16	8	8	$64 00	$64 00
122	" " " —sweepstakes	26	13	10	188 00	124 00
123	Country " "	305	17	17	136 00	127 00
123	" " " —sweepstakes	21	8	6	123 00	84 00
124	High " "	32	13	13	104 00	95 00
124	" " " —sweepstakes	19	12	11	169 00	123 00
125	Commercial Penmanship	6	.....	.....	.....	.....
	Total, 1886	425	71	65	$784 00	$617 00
	" 1885	244	59	56	666 00	516 00
	" 1884	557	56	54	588 50	502 50
	" 1883	309	53	42	534 50	371 00
	" 1882	345	50	46	416 00	332 50
	" 1881	368	46	44	330 50	316 50
	" 1880	482	34	31	322 00	283 00
	" 1879	157	19	19	305 00	305 00
	" 1878	174	.....	.....	300 00	159 00

Entries, Offerings and Awards—Fair 1886.

Lot	Articles.	Number of entries	Silver Medals.		Diplomas.		Cash Premiums.	
			No offered.	No. awarded.	No. offered.	No. awarded.	Amount offered.	Amount paid.
126	Taxidermy, Mineralogy and Conchology	13	.....	.....	.....	.....	$230	$230
127	Entomology, etc	7	.....	.....	.....	.....	1[illegible]5	105
128	Musical instruments	2	.....	.....	.....	.....	.....	.....
129	Printing, Engraving, etc	8	3	.....	.....	.....	36	9
130	Photography, etc	....	.....	.....	.....	.....	.....	.....
131	Architectural and Mechanical Drawings	....	8	.....	.....	.....	168	.....
	Total, 1886	30	11	.....	.....	.....	$539	$344
	" 1885	39	3	.....	7	2	519	355
	" 1884	33	7	4	3	.....	456	301
	" 1883	6	.....	.....	.....	.....	335	115
	" 1882	28	.....	.....	.....	.....	335	335
	" 1881	14	.....	.....	.....	.....	335	265
	" 1880	22	.....	.....	.....	.....	235	235
	" 1879	19	.....	.....	.....	.....	235	205
	" 1878	28	.....	.....	.....	.....	400	230

Respectfully submitted,

ALLAN C. RUSH,

Superintendent Class L.

CLASS M—AGRICULTURAL IMPLEMENTS.

B. PULLEN, *Superintendent.*

To the State Board of Agriculture:

It is with pleasure that your Superintendent is again enabled to report for this Department a full average exhibit in all of its branches, and in some marked advances were apparent. This is especially true of new inventions and of attachments to machinery already introduced, for their greater perfection. Some of these will ask for special recognition from this Board, to which the Secretary will call your attention at the proper time. The Secretary has kindly furnished me with a statement of the number of entries in this department during a term of ten years—beginning with 1877. By reference to this, it is observed that for six years past the entries have about doubled that of the preceding years. It may be of interest to state here that the total of entries for the two years at Peoria—1881 and 1882—in this Department was 1,362, while at Chicago's first term of two years, 1883 and 1884, it was 1,364 entries. Also, that at Peoria the second year, the entries increased 58, while at Chicago they decreased 220. In my last report I recommended that the practice of requiring exhibitors in this department to furnish their own fuel and water, be continued. It is said that "wise men change—fools never." This may or may not account for my now recommending that fuel and water be furnished by this Board. No premiums are offered; none are desired. As a department, it stands second to none in its attractiveness, importance and interest to our visitors, and it is now believed that what is here recommended is only a proper recognition of what is its due from this Board. Following is a list of exhibits and exhibitors, also number of entries in each lot:

Lot 132.

Portable Farm Engine—7 entries:
- C. Aultman & Co., Canton, O.
- Minnesota Chief Threshing Machine Co., Stillwater, Minn—2 entries:
- Northwestern Manf'g Co., Stillwater, Minn.
- Pope Manf'g Co., Chicago.
- Smalley Manf'g Co., Manitowoc, Wis.—2 entries:

Traction Steam Engine—8 entries:
- C. Aultman & Co., Canton, O.
- Aultman & Taylor, Mansfield, O.
- J. I. Case Threshing Machine Co., Racine, Wis.
- Case & Willard, Battle Creek, Mich.
- Eagle Machine Works Co., Indianapolis, Ind.
- Pitts Agr'l. Works, Buffalo, N. Y.
- M. & J. Rumely, La Porte, Ind.—2 entries:

Garden Engine—1 entry:
- Gleason & Bailey Manf'g Co., Chicago.

Horse Power for General Farm Purposes—11 entries:
- Appleton Manf'g Co., Chicago.
- Eagle Machine Co., Lancaster, O.
- Minnesota Chief Threshing Machine Co., Stillwater, Minn.
- Morton Manf'g Co., Romeo, Mich.
- Smalley Manf'g Co., Manitowoc, Wis—3 entries:
- H. C. Staver Imp. Co., Chicago—2 entries:
- Taylor Horse Power Co., Chicago.
- U. S. Wind Engine and Pump Co., Batavia.

Pump for Well—19 entries:
- Aultman, Wheeler & Co., Waupun, Wis.
- Baker Manf'g Co., Evansville, Wis.—7 entries:
- Challenge Wind Mill Co.; Batavia—4 entries:
- Clark & Co., Somonauk.
- E. K. Hayes, Galva.
- Mast, Foos & Co., Springfield, O.
- F. E. Myers & Bro., Ashland, O,
- Temple Pump Co., Chicago.
- Thomas Manf'g Co., Chicago.
- U. S. Wind Engine and Pump Co., Batavia.

Pump for Cistern—5 entries:
- Aultman & Wheeler, Waupun, Wis.
- Baker Manf'g Co., Evansville, Wis.—2 entries:
- Gleason & Bailey Manf'g Co., Chicago.
- Temple Pump Co., Chicago.

Gate for Farm Use—5 entries:
George Bristol, Normal Park.
Adam S. Clow, East Wheatland.
W. H. Cox, Virden.
S. S. Davis, Chicago.
Ottawa Gate Manf'g Co., Ottawa.

Portable Fence—4 entries:
John P. Brown, Rising Sun, Ind.
McMullen Woven Wire Fence Co., Chicago.
J. McTaggart, Fort Wayne, Ind.
Richmond Check Rower Co., Richmond, Ind.

Miscellaneous—9 entries:
W. J. Adams, Joliet—Fence Stay.
John P. Brown, Rising Sun, Ind.—Fence Builder.
S. B. Cross, Wellington, Kas.—Fence Machine.
J. D. Felthouser, Chicago—Car Roofing.
J. D. Felthouser, Chicago—Railway Splice Joint.
Charles W. Lamb & Co., Chicago—Spiral Wire Fencing.
M. & J. Rumely, LaPorte, Ind.—Water Tank.
Ed. Rutz, Chicago—O. K. Fence Post.
U. S. Wind Engine and Pump Co., Batavia—Water Tank.

Lot 133.

Cotton Gin—1 entry:
E. S. Bristol & Gale, Chicago.

Flour Packer—1 entry:
Challenge Wind Mill Co., Batavia.

Wood-Sawing Machine—3 entries:
Baker Manf'g Co., Evansville, Wis.
Smalley Manf'g Co., Manitowoc, Wis,
H. C. Staver Imp. Co., Chicago.

Cider Mill and Press—7 entries:
Bormer & Boschert Press Co., Chicago.
Keystone Manf'g Co., Sterling.

P. P. Mast & Co., Springfield, O.—2 entries:
Superior Drill Co., Springfield, O.
Tiffin Agr'l. Works, Tiffin, O.
Whitman Agr'l. Co., St. Louis, Mo.

Corn and Cob Mill—1 entry:
Foos Manf'g Co., Springfield, O.

Road-Making Machine—4 entries:
American Road Machine Co., Peoria.
American Road-Making Machine Co., Kennett Square, Penn.
Joshua Moore, Marseilles.
New Era Manf'g Co., Chicago.

Portable Grist Mill for Farm Use—12 entries:
Appleton Manf'g Co., Chicago.
Aultman, Wheeler & Co., Waupun, Wis.
Baker Manf'g Co., Evansville, Wis.—2 entries:
Duplex Manf'g Co., Springfield, O.
Eclipse Wind Engine Co., Beloit, Wis.—2 entries:
Nichols, Murphy & Geister, Elgin.
Smalley Manf'g Co., Manitowoc, Wis.
U. S. Wind Engine and Pump Co., Batavia.
Victor Grinding Mill Co., Chicago.
Frank Ward, Rockford.

Well-Boring Machine—2 entries:
E. S. Bristol & Gale, Chicago.
J. R. Davis & Sons, Moreland.

Miscellaneous—3 entries:
John Dennis, Chicago, Combination Truss Bridge.
M. C. Henley, Richmond, Ind., Portable Fence Machine.
U. S. Wind Engine and Pump Co., Batavia, Saw Table.

Lot 134.

Display of Two-Seated Vehicles—1 entry:
Abbott Buggy Co., Chicago.

Display of Buggies—2 entries:
Abbott Buggy Co., Chicago.
Studebaker Bros., Manf'g Co., South Bend, Ind.

Two-Horse Carriages—1 entry:
Abbott Buggy Co., Chicago.

Top Buggy—10 entries:
Abbott Buggy Co., Chicago.
Cortland Wagon Co., Chicago—8 entries.
Studebaker Bros., Manf'g Co., South Bend, Ind.

Open Buggy—3 entries:
Cortland Wagon Co., Chicago.
James Percy, Chicago.
Studebaker Bros., Manf'g Co., South Bend, Ind.

Sulky—1 entry:
Michigan Buggy Co., Kalamazoo, Mich.

Two-Horse Wagon—27 entries:
Brown Manf'g Co., Zanesville, O.
Capital Wagon Co., Lansing Mich.,—5 entries.
Cortland Wagon Co., Chicago,—12 entries.
King & Hamilton Co., Ottawa.
Moline Wagon Co., Moline—5 entries.
H. C. Staver Imp. Co., Chicago.
Studebaker Bros., Manf'g Co., South Bend, Ind.
Webster Wagon Co., Chicago.

Spring Wagon—10 entries:
David Bradley Manf'g Co., Chicago.
Cortland Wagon Co., Chicago—2 entries.
Moline Wagon Co., Moline—5 entries.
Racine Wagon and Carriage Co., Racine, Wis.
Studebaker Bros, Manf'g Co, South Bend Ind.

One-Horse Cart—7 entries;
Abbott Buggy Co., Chicago.
Gay & Son, Ottawa.
Makutchon Bros., Buda.
Michigan Buggy Co., Kalamazoo, Mich—2 entries.
Frank Rudolph, Beason.
Wayne & Anderson, Decatur.

Miscellaneous—8 entries:
W. A. Clark & Co., Chicago, Hub Attachment.
Cortland Wagon Co., Chicago, Phaeton.
Henry Deitz & Co, Racine, Wis., Lever Locks.
E. K. Hayes, Galva, Wagon End Gate.
J. A. McCallum Manf'g Co., Elgin, Wagon Box and Hay Rack.
J. A. McCallum, Manf'g Co, Elgin, Rotary Sign.
Michigan Buggy Co., Kalamazoo Mich., Cutter.
Oregon Manf'g Co., Oregon, Barb Wire Reel Cart

Lot 135.

Reaper—3 entries:
Wm. Deering & Co., Chicago.
H. M. McCormick & Co., Chicago.
D. M. Osborn & Co., Auburn, N. Y.

Dropper—1 entry:
H. M. McCormick & Co., Chicago.

Self-Rake Reaper—4 entries:
M. Kane, Chicago.
H. M. McCormick & Co., Chicago.
D. S. Morgan & Co., Chicago, 2 entries.

Combined Reaper and Mower—1 entry:
M. Kane, Chicago.

Harvester and Binder —15 entries:
G. S. & H. Curtis, Chicago.
Wm. Deering & Co., Chicago.
Emerson, Talcott & Co., Rockford.
M. Kane, Chicago.
H. M. McCormick & Co., Chicago—2 entries.
Milwaukee Manf'g Co., Champaign.
Minnesota Harvesting Works, Minneapolis, Minn.
D. S. Morgan & Co., Chicago—2 entries.
Plano Manf'g Co , Plano—2 entries.
D. M. Osborn & Co., Auburn, N. Y.—2 entries.
J. F. Siberley & Co., Akron, O.

Grain Binder, Wire—1 entry:
Esterley Harvesting Machine Co., Whitewater, Wis.

Grain Binder-Twine—5 entries:
C. Aultman & Co., Canton, O.—2 entries.
Johnston Harvester Co., Chicago.
Minnesota Harvester Works, Minneapolis Minn.
Sandwich Manf'g Co., Sandwich.

Thresher—10 entries:
C. Aultman & Co., Canton, O.
Aultman, Taylor & Co., Mansfield, O.
J. I. Case Threshing Machine Co., Racine, Wis.—2 entries.
Case & Willard Thresher Co., Battle Creek, Mich.
Eagle Machine Works Co., Indianapolis, Ind.
McDonald Manf'g Co., Fond du-Lac, Wis.
Minnesota Chief Threshing Machine Co.. Stillwater, Minn.—2 entries.
M & J Rumeley, LaPorte, Ind.

Separator—3 entries:
Northwestern Manf'g Co., Stillwater, Minn.
Pitts Agr'l Works, Buffalo, N. Y.
M. & J. Rumely, LaPorte, Ind.

Grain Register—1 entry:
G. E. Baird, Urbana.

Grain Drill—6 entries:
Hoosier Drill Co., Richmond, Ind.
Kaufman Bros., Bloomington.
Keenan & McMullen, Chicago.
Kingman & Co , Peoria.
Sohn Ridge Imp. Co., Hamilton, O.
Superior Drill Co , Springfield, O.

Fanning Mill—5 entries:
Dickey & Tease, Racine, Wis.
Ellis & Peterson, Bozeman, Mont.
Johnson & Field, Racine, Wis.,—3 entries.

Miscellaneous—2 entries:
Eagle Machine Works Co., Indianapolis, Ind.—Independent Straw Stacks.
Kaufman Bros., Bloomington, Grain Elevator.

Lot 136.

Mower—29 entries:
C. Aultman & Co., Canton, O.
David Bradley, Manf'g Co., Chicago.
Wm. Deering & Co., Chicago
Emerson, Talcott & Co., Rockford.
Esterley Harvesting Machine Co., White Water, Wis.
Eureka Mower Co., Utica, N. Y.
Fuller & Johnson Manf'g Co., Madison, Wis.
Janesville Machine Co , Janesville, Wis.
Johnston Harvester Co., Chicago.
M. Kane, Chicago.
Knowlton Manf'g Co., Rockford.
J. P. Manny, Rockford.
Mast, Foos & Co., Springfield, O.
Milwaukee Manf'g Co., Champaign.
Minnesota Harvester Works, Minneapolis, Minn.
H. M McC ormick & Co., Chicago—3 entries.
D. S. Morgan & Co., Chicago —2 entries.
D. M. Osborn & Co , Auburn, N. Y.—3 entries.
Plano Manf'g Co., Plano,—2 entries.
Sandwich Manf'g Co., Sandwich.
J. F. Siberly & Co., Akron, O.
Thomas Manf'g Co , Chicago.
Warrior Mower Co., Little Falls, N. Y.

Hay Tedder—4 entries:
Keystone Manf'g Co.. Sterling.
Knowlton Manf'g Co., Rockford.
Sterling Manf'g Co., Sterling.
Thomas Manf'g Co., Chicago.

Horse Hay Rake—23 entries:
Acme Hay Harvester Co., Peoria.
Albion Manf'g Co., Albion, Mich.
David Bradley Manf'g Co., Chicago.
Deere & Mansur, Moline.
Emerson, Talcott & Co., Rockford.
Fuller & Johnson Manf'g Co., Madison, Wis.
Keystone Manf'g Co., Sterling—2 entries:
Kingman & Co., Peoria.
Knowlton Manf'g Co', Rocoford—2 entries:
P. P. Mast & Co., Springfield, O.—2 entries:
Sohn Ridge Imp, Co., Hamilton, O.—4 entries:
Sterling Manf'g Co., Sterling.
Thomas Manf'g Co., Chicago—4 entries:
Tiffin Agr'l. Co., Tiffin, O.

Hay Loader—3 entries:
R. Bartle, Independence, Ia.
Keystone Manf'g Co., Sterling—2 entries:

Hay Gatherer—2 entries;
Keystone Manf'g Co., Sterling.
Trumbull, Reynolds & Allen, Kansas City, Mo.

Horse Hay Fork—2 entries:
F. E. Myers & Bro., Ashland, O.
A. J. Nellis & Co., Pittsburgh, Pa.

Hay Elevator and Carrier for moving hay n barn—9 entries:
Boyd & Lindsay, Milwaukee, Wis.
Hunt, Helm & Ferris, Harvard.
Janesville Hay Tool Co., Janesville, Wis.—2 entries:
F. E. Myers & Bro., Ashland, O.
Osborn Bros . Marion, O.
I. E. Porter, Ottawa.
Superior Drill Co., Springfield, O.
Thomas Manf'g Co., Chicago.

Portable Hay Press—8 entries:
O. K. Dederick & Co., Albany, N. Y.—2 entries:
Geo. Ertel & Co., Quincy—2 entries:
Famous Manf'g Co., Quincy—2 entries:
J. A. Spencer, Dwight.
Whitman Agr'l. Co., St. Louis, Mo.

Feed Cutter—21 entries:
Appleton Manf'g Co., Chicago.
Belle City Manf'g Co , Racine, Wis.
Goulds & Austin, Chicago.
Keystone Manf'g Co., Sterling.
McLaughlin, Sheldon & Co., Owatonna, Minn.
Morton Manf'g Co., Romeo, Mich.
C. Pierpont & Co., New Haven, Conn.
Silver & Deming Manf'g Co., Salem, O.
Smalley Manf'g Co., Manitowoc, Wis.—9 entries:
H. C. Staver Imp. Co., Chicago—4 entries;

Hay and Straw Cutter—1 entry:
Goulds & Austin, Chicago.

Seed Sower—4 entries:
King & Hamilton Co., Ottawa.
Jas. Selby & Co., Peoria.
H. C. Staver Imp. Co., Chicago.
Superior Drill Co., Springfield, O.

Broadcast Seed Sower—12 entries:
Appleton Manf'g Co., Chicago.
Deere & Mansur, Moline.
J. W. Dysart, Nachusa.
S, Freeman & Sons Manf'g Co., Racine, Wis.
Hoosier Drill Co., Richmond. Ind.—2 entries:
Janesville Machine Co., Janesville, Wis.
P. P. Mast & Co., Springfield, O.—2 entries:
Superior Drill Co., Springfield, O.
Utter Manf'g Co., Rockford.
Whitman Agr'l. Co., St. Louis, Mo.

Mower Knife Grinder—1 entry:
James O. Hale, Chicago.

Miscellaneous—3 entries:
Blair Manf'g Co., Springfield, Mass,—Lawn Mower.
H. S. Crabtree, Anna—Feed Rack.
Reeves & Co., Columbus, Ind.—Straw Stacker.

Lot 137.

Corn Planter—19 entries:
Avery Planter Co., Peoria.
Charles E. Avery, Lafayette, Ind.
George W. Brown & Co., Galesburg.
Challenge Corn Planter Co., Grand Haven, Mich.
Deere & Mansur, Moline—2 entries:
Emerson, Talcott & Co., Rockford.
A. E. Evans Manf'g Co., Springfield, O.
Farmers' Friend Manf'g Co., Dayton, O.
Fuller & Johnson Manf'g Co., Madison, Wis.—2 entries:
E. K. Hayes, Galva.
Hayworth & Son, Decatur.
Keystone Manf'g Co., Sterling.
Kleinfelter & Dillman Co., Joliet.
Geo. Laning, LaSalle.
Edwin R. Procter, Washington C. H., O.
Jas. Selby & Co., Peoria.
H. B. Volk, Quincy.

Corn Drill—7 entries:
David Bradley Manf'g Co., Chicago.
Challenge Corn Planter Co., Grand Haven, Mich.
A. C. Evans Manf'g Co., Springfield, O.
P. P. Mast & Co., Springfield, O.
Parlin & Orendorff Co., Canton—2 entries:
H. B. Volk, Quincy.

Check Rower—17 entries:
Chas. E. Avery & Co., Lafayette, Ind.
Avery Planter Co., Peoria.
Geo. W. Brown & Co., Galesburg.
Challenge Corn Planter Co., Grand Haven, Mich.
Conklin, Tait & Co., Decatur.
Deere & Mansur, Moline—2 entries:
Emerson, Talcott & Co., Rockford.
A. C. Evans Manf'g Co., Springfield, O.
Farmers' Friend Manf'g Co., Dayton, O.
E. K. Hayes, Galva.
Hayworth & Son, Decatur.
Keystone Manf'g Co., Sterling.
Edwin R. Procter, Washington C. H., O.
Richmond Check Rower Co., Richmond, Ind.
Jas. Selby & Co., Peoria.
H. B. Volk, Quincy.

Cultivator—40 entries:
Avery Planter Co., Peoria.
David Bradley Manf'g Co., Chicago.
Brown Manf'g Co., Zanesville, O.—2 entries:
Geo. W. Brown & Co., Galesburg.
J. I. Case Plow Works, Racine, Wis.

Deere & Co , Moline—3 entries.
Emerson, Talcott & Co., Rockford.
Farmers' Friend Manf'g Co., Dayton, O.
Fuller & Johnson Manf'g Co., Madison, Wis.
Grand Detour Plow Co., Dixon—2 entries.
Jas, Horrie. Morris.
Keystone Manf'g Co., Sterling.
Kingman & Co., Peoria—3 entries.
Knowlton Manf'g Co., Rockford.
King & Hamilton Co., Ottawa—2 entries.
Marseilles Manf'g Co., Marseilles—2 entries.
P P Mast & Co., Springfield, O.—5 entries.
Norwegian Plow Co., Dubuque, Ia.—2 entries.
Parlin & Orendorff Co.. Canton—3 entries.
Pattee Plow Co., Monmouth—3 entries.
Peru Plow and Wheel Co, Peru.
Weir Plow Co., Monmouth—2 entries.

Riding Cultivator—15 entries:
Albion Manf'g Co,. Albion, Mich.—2 entries.
Automatic Wheel Co.. Wauseon, O.
David Bradley Manf'g Co., Chicago.
Brown Manf'g Co., Zanesville, O.
J. I. Case Plow Works, Racine, Wis.
Deere & Co., Moline.
Emerson, Talcott & Co., Rockford.
Fulton & Johnson Manf'g Co., Madison, Wis.
Kingman & Co., Peoria.
Knowlton Manf'g Co., Rockford.
Marseilles Manf'g Co., Marseilles.
Norwegian Plow Co., Dubuque, Ia.
Parlin & Orendorff Co., Canton.
Ulter Manf'g Co., Rockford.

Corn-Stalk Cutter—6 entries:
Avery Planter Co., Peoria.
David Bradley Manf'g Co , Chicago.
Geo. W. Brown & Co., Galesburg.
Deere & Mansur, Moline.
Marseilles Manf'g Co., Marseilles.
Parlin & Orendorff Co., Canton.

Hand Corn-Sheller—5 entries:
Appleton Manf'g Co.. Chicago.
Keystone Manf'g Co., Sterling.
King & Hamilton Co., Ottawa.
Marseilles Manf'g Co., Marseilles—2 entries.

Power Corn-Sheller—12 entries:
Appleton Manf'g Co., Chicago
Challenge Wind Mill Co., Batavia.
Eagle Machine Co., Lancaster, O.
Keystone Manf'g Co., Sterling—3 entries.
King & Hamilton Co , Ottawa.
Marseilles Manf'g Co., Marseilles—2 entries.
Sandwich Manf'g Co., Sandwich.
H. C. Staver Implement Co., Chicago.
U. S. Wind Engine and Pump Co., Batavia.

Walking Plow—35 entries:
David Bradley Manf'g Co , Chicago—2 entries.
J. I. Case Plow Works, Racine, Wis.
Deere & Co., Moline—2 entries.
Grand Detour Plow Co., Dixon.
Kingman & Co., Peoria—20 entries.
Norwegian Plow Co., Dubuque, Iowa.
Parlin & Orendorff Co., Canton—4 entries.
Weir Plow Co., Monmouth—4 entries.

Sulky Plow—10 entries:
John Austin, Chicago.
David Bradley Manf'g Co., Chicago.
J. I. Case Plow Works, Racine, Wis.
Deere & Co., Moline.
Grand Detour Plow Co., Dixon.
Kingman & Co., Peoria—2 entries.
Parlin & Orendorff Co.. Canton.
Peru Plow and Wheel Co., Peru.
Valentine Wood, Peru, Ind.

Gang Plow—3 entries:
David Bradley Manf'g Co., Chicago.
J. I. Case Plow Works, Racine, Wis.
Deere & Co., Moline.

Pulverizer—4 entries.
Janesville Machine Co., Janesville, Wis.
Keystone Manf'g Co., Sterling—2 entries.
Parlin & Orendorff Co., Canton.

Harrow—20 entries:
Appleton Manf'g Co., Chicago.
David Bradley Manf'g Co., Chicago—3 entries.
J. I. Case Plow Works, Racine, Wis.
Deere & Co., Moline.
A. C. Evans Manf'g Co., Springfield, O.
Grand Detour Plow Co., Dixon.
Janesville Machine Co , Janesville, Wis.
Kingman & Co., Peoria—2 entries.
Knowlton Manf'g Co., Rockford.
E. O. Lean, Mansfield, O.
Norwegian Plow Co., Dubuque, Ia.
Oregon Manf'g Co., Oregon—2 entries.
Parlin & Orendorff Co., Canton.
Peru Plow & Wheel Co., Peru.
Warrior Mower Co., Little Falls, N. Y.
Valentine Wood, Peru, Ind.

Roller—2 entries:
David Bradley Manf'g Co., Chicago.
Johnson & Field, Racine, Wis.

Potato Planter—1 entry:
W. F. Newbold, Cedar, Ia.

Potato Digger—5 entries:
Deere & Co., Moline.
Keystone Manf'g Co., Sterling
J. McCallum Manf'g Co., Elgin.
C. E. Mann, Geneva.
Sterling Manf'g Co., Sterling.

Cotton Seed Planter—1 entry:
David Bradley Manf'g Co., Chicago;

Wind Mill—13 entries:
Aultman, Wheeler & Co., Waupun, Wis.
Baker Manf'g Co., Evansville, Wis.—2 entries.
Challenge Wind Mill Co., Batavia—2 entries.
Clark & Co., Somonauk.
L. Leach, Joliet.
Marseilles Manf'g Co., Marseilles—2 entries.
Mast, Foos & Co., Springfield, O.
Nichols, Murphy & Geister, Elgin—2 entries.
U. S. Wind Engine and Pump Co., Batavia.

Road Scraper—1 entry:
David Bradley Manf'g Co., Chicago.

Miscellaneous—5 entries:
Dean & Bennett, LaMoille, Ear Corn Cutter.
Mat Hearns; Havelock, Potato Bug Sprinkler.
W. G. Ketchum, Chicago, Pulverizing Attachment for Plows.
Marseilles Manf'g Co., Marseilles, Power Feed Grinder.
J. E. Paradis, Momence, Corn Marker and Planter.

Entries—Fair 1886.

Lot	Articles.	Number of Entries.
132	Engines, Pumps, etc	56
133	Mills, Machines, etc	34
134	Vehicles	61
135	Grain Harvesters, etc	55
136	Haying Machinery, etc	119
137	Planters, Plows, etc	216
	Total, 1886	541
	" 1885	513
	" 1884	572
	" 1883	592
	" 1882	710
	" 1881	652
	" 1880	437
	" 1879	139
	" 1878	361
	" 1877	393

Respectfully submitted,

B. PULLEN, *Superintendent.*

CLASS N.—DAIRY.

E. E. CHESTER, *Superintendent.*

To the Illinois State Board of Agriculture:

As Superintendent of Class N, I beg leave to submit the following: The importance of the dairy interests of our great agricultural State, in comparison with its many other great interests, is such that it is safe to say that neither at the State Fair nor Dairy Show was the exhibit of dairy products creditable as a display or a fair exponent of the interest it presumed to represent. No other cause for the failure of the Dairymen of the Northwest to make a representative exhibit can be given than that they were vexed at the action of the State Board in giving prominence to an article that was fraudulently supplanting their productions. The propriety of continuing the Dairy Department at the State Fair should be carefully considered by the incoming Board. The following table gives number of entries, offerings and awards, Fair 1886:

Lot	Articles	Number of entries	Premiums. Amount offered	Premiums. Amount paid
138	Butter and cheese	26	$120	$115
139	Dairy implements	12	.....	.....
	Total, 1686	38	$120	$115
	" 1885	61	120	120

Respectfully submitted,

E. E. CHESTER, *Superintendent.*

DAIRY SHOW.

The "extent" of this show was materially decreased by the necessity for reducing an exhibit to a single package, in many instances, occasioned by the experience of the former show, in which there was no small loss to exhibitors, by deterioration in value of goods held in a bad atmosphere through the entire show.

The present classification, which is calculated to create rivalry between the dairy States, the dairy breeds of cattle, and the different modes of manufacture, gave universal satisfaction. Decisions rendered by two judges and one umpire, the present scale of points, and the present system of scoring, seem to meet with general approval, and this system is recommended for further use in this department.

I have reasons to believe that the boycott so rigidly enforced by the Dairymen at the recent show, is now sincerely declared off. This I am led to believe, both by many personal assurances, and the resolutions recently passed by a unanimous vote at the annual meeting of the Illinois State Dairymen's Association, a copy of which is appended. With wisdom and prudence manifested in the treatment of this department the Illinois State Board of Agriculture may have the credit of having brought out the great American Dairy Show of the near future, in which will be shown dairy cattle products and implements as well as the various systems of manufacturing these products, a show that will demand the attention of the masses, and the use of the entire Exposition Building for a time.

The following reselutions were adopted:

Resolved, That we recognize with pleasure the interest shown in this association and its work by the Illinois State Board of Agriculture, by the presence of so large a number of its officers.

Resolved, That we desire the most cordial relations between this association and the State Board of Agriculture, and recognizing its earnest desire to advocate the dairy interest of the State, we will endeavor to secure a hearty co-operation on the part of the dairymen in any effort made by the State Board to aid our work.

Resolved, That the grievances of the dairymen, not only of this State, but of the entire country, against the Illinois State Board of Agriculture in relation to their action in receiving butterine for exhibition at the fat-stock and dairy show of 1885, well grounded as they were, when this article could be considered only as bogus butter and a fraud and deception upon the consumer, have now no further reason to exist, and this association accepting in good faith the show of interest in its work manifested by a number of individual members of the State Board of Agriculture, and their assurances and proffer of assistance in the interest of honest butter and honest food, refers with pleasure to the complete and practical harmony now existing between the representative bodies of the Illinois agriculturists and the Illinois dairymen.

Respectfully submitted,

E. E. CHESTER, *Superintendent Class N.*

Marshal of the Ring.

JAS. W. JUDY, *Marshal.*

To the State Board of Agriculture:

As Marshal of the Ring I have no changes to suggest; exhibitors and visitors seemed well satisfied with the arrangements.

Respectfully submitted,

JAS. W. JUDY.

General Superintendent.

D. B. GILLHAM, *Superintendent.*

To the Illinois State Board of Agriculture:

The work in this department was greatly increased, both in labor and expense, owing to new exhibits that very naturally increased the expense at the State Fair.

The police employed from the regular force of the city of Chicago were efficient, and I believe gave to the Board general satisfaction.

No accidents of importance occurred during the fair—but a single person having received any injury whatever. This exception was a careless boy, who on "Children's Day," in the face of warning both by the exhibitors of the "California Chief" and its power, and also by the policeman having charge of this part of the exhibition, ran into the power and was severely hurt, but temporarily, and we have since learned has entirely recovered.

The only recommendation your Superintendent has to make is, that wherever the Fair is to be held, employ regular police by all means, if they are to be had, as in my judgment one-half of the men with blue coats and brass buttons are worth more, and the service will be more satisfactory.

For the expense of the department, I respectfully refer to itemized account in the hands of the Secretary.

Respectfully submitted,

D. B. GILLHAM, *General Superintendent.*

Fat Stock Show.

The Fat Stock Show, although there were great additions this year, ran smoothly, the police being supplied from the regular city force, as at the State Fair. No accident of any kind occurred during the show.

For want of time, I am sorry to have to report that the preparations were not quite completed on time, but were completed at an early hour after the opening, and we would recommend that if it be possible to secure at least three or four more days time from the Exposition company. Perhaps, as portable stalls have now been provided, it will be possible hereafter to get ready on time.

The new rules adopted by the Board for the last Show, allowing no duplicates of donations (which had hitherto got to be a regular system of auction sales), which were very annoying both to exhibitors and spectators; also that excluding side shows proved very satisfactory both to exhibitors, spectators and to the management as well. We would recommend the permanent adoption of the above rules.

For expense of this department for Fat Stock Show, I respectfully refer to itemized statement in hands of the Secretary.

Respectfully submitted,

D. B. GILLHAM, *General Superintendent.*

Permits and Privileges.

JAMES M. WASHBURN, *Superintendent.*

To the Honorable President and Members of the Illinois State Board of Agriculture in Session at Springfield, Illinois, on the 4th day of January, A. D 1887:

The undersigned Superintendent of Permits and Privileges, respectfully submits the following report of the results of the operations of this department for the year A. D. 1886:

RECEIPTS AT STATE FAIR.

From Aughe & Putney, fruits and lemonade	price	$120 00	paid	$120 00
" Bovee, D. C., milk lemonade and sandwiches	"	30 00	"	10 00
" Brewer, E. C., make and sell cider	"	25 00	"	15 00
" Black, H. T., lemonade	"	20 00	"	20 00
" Brewer, W. C., make and sell cider	"	25 00	"	10 00
" Bush & Davis, fruit and peanuts	"	75 00	"	75 00
" Bellman, Hugh, lunch stand	"	45 00	"	45 00
" Bodine, E. M., lunch stand	"	60 00	"	60 00
" Brewer, J. T., make and sell cider	"	25 00	"	25 00

From Campbell, F. J., milk and sandwiches	price	$30 00	paid	$30 00
" Cregar, Wm., lunch stand	"	75 00	"	75 00
" Davis, J. G., lunch stand	"	60 00	"	60 00
" Fish, R. H., lunch stand	"	60 00	"	60 00
" Francis Bros., dining hall	"	125 00	"	125 00
" Holmes, Elizabeth, lunch stand	"	60 00	"	40 00
" Hammett, J. C., Perry, pop-corn, cigars, etc	"	100 00	"	80 00
" Hindman, A., fruit, peanuts, lemonade	"	35 00	"	35 00
" Ireland, C. C., dining and lunch stand	"	175 00	"	175 00
" Jacobs, A. E., pop-corn and peanuts at four stands	"	200 00	"	200 00
" Johnson, F. E., lunch stand	"	40 00	"	40 00
" Mendelsohn & Co., fruits, peanuts, etc	"	50 00	"	50 00
" Marsh, Fred., lemonade	"	30 00	"	25 00
" Ordway, W. H., cigars, peanuts and lemonade	"	65 00	"	50 00
" Phillips, Wm. F., swings	"	15 00	"	10 00
" Pine, Thomas, metal stamps	"	20 00	"	20 00
" Powell, H., dates, lemonade, peanuts, etc	"	60 00	"	50 00
" Parkhurst, A. B., lemonade	"	40 00	"	30 00
" Smith, A. W., scarf pins	"	25 00	"	25 00
" Sanders, E. L., candy and pop-corn	"	45 00	"	45 00
" Snyder, Dr. O. W. F., kidney balsam	"	35 00	"	15 00
" Seyler, George, sausages	"	30 00	"	30 00
" Rutter, Mrs. Frank, lemonade and sandwiches	"	25 00	"	25 00
" Ried, Wm. C., lunch stand	"	60 00	"	50 00
" Tumlty, Mrs. A., cigars and cigarettes	"	35 00	"	30 00
" Walton & Oberg, dining hall	"	110 00	"	110 00
" Warde, Mrs. J. E., shells and oriental goods	"	25 00	"	25 00
" Wells, F. H., lunch stand	"	50 00	"	50 00
" Wheadon, W. H., dining and lunch stand	"	175 00	"	175 00
" metallic badges				15 00
" Zipp, John P., club house and long bar	"	2,100 00	"	2,100 00
" " " two other stands	"	125 00	"	125 00
" Zipp, Mrs. John P., dining hall	"	125 00	"	125 00
Shows				50 00
Horse hitching				10 00
Various permits under $10				35 00
Tickets sold				25 00
Total				$4,600

RECEIVED AT FAT STOCK SHOW.

From Barrett & Barrett, exclusive cider privilege, price $100, paid	$100 00
" Atchison, H., razor paste	10 00
" Burns, P. A., microscopes	20 00
" Bowen, Wm., grape juice	30 00
" Bebee Manf'g Co., catarrh and asthma cure	15 00
" Brow, Joseph, paring knife	15 00
" Divine, Wm. M., dining-room and bar	125 00
" Clark, Samuel A., hog cholera remedy	25 00
" Cellas, Miss Va., waltzing top, two stands	30 00
" Eldred, L. D., oak picket fence	20 00
" Ferguson, T., stack salter	10 00
" Fulmer, Mrs. Kate, fruits and everything	20 00
" Gale & Crouch, rock salt	20 00
" Halinger, H., tool case and tools	15 00
" Haight, B. S., pat. solder	15 00
" Jacobs, A. E., pop-corn, price, $100; remitted $6 because could not furnish stands contracted for	50 00
" peanuts	100 00
" Larned, W. C., spur wire fence	15 00
" Lawley, G. W., gyroscope top	20 00
" Mitchell, H. C., horse with long mane	125 00
" Norton, H. H., two cutters and buggies	10 00
" Patch, B. A, corn-sheller	10 00
" Reynard, J. D., sell metallic badges	10 00
" Royal, Joseph, cut and ornamental glass	25 00
" Rice, J. W. D., Pain King Co., remedies	15 00
" Rutter, Frank, lunch stand	25 00
" Shield & McKee, microscope and jewelry	25 00
" Shepherd, John, porcelain flowers	10 00
" Warde, Joseph, shell and oriental goods	20 00
Tickets	5 00
	$935 00
Ordered $10 paid Zipp as damages on annulling contract	10 00
	$925 00

All which is respectfully submitted,

JAMES M. WASHBURN.

Superintendent of Permits and Privileges.

Forage and Stalls.

JOHN VIRGIN, *Superintendent.*

To the State Board of Agriculture:

GENTLEMEN—As Superintendent of Stalls and Forage, I submit the following report:

The receipts from stall fees at the State Fair of 1886, for which I hold the certificates of the Secretary, are as follows:

340 box stalls at $2.00 per stall	$680
904 open stalls at $1.00 per stall	904
Total	$1,584

Receipts for stalls at Fat Stock Show of 1886, as per certificates of the Secretary are as follows:

523 stalls at $2.00 per stall	$1,046
Total Fair and Fat Stock Show	$2,630

The demand for stalls both at the Fair and Fat Stock Show is steadily increasing, and I would recommend that future specifications of the Board be so changed as to meet the increased demand.

Respectfully submitted,

JOHN VIRGIN, *Superintendent Forage and Stalls.*

Gates and Tickets.

SAMUEL DYSART, *Superintendent.*

To the State Board of Agriculture:

In my report in the Ticket Department for the year 1886, permit me to submit as follows:

There was but one change in the tickets used at the Fair from those of the preceding year.

The exhibitors' ticket I had prepared with a coupon for one admission, each day of the Fair, which was detached the first time the ticket was presented at the gate, on the day named thereon, and no return check was given for those tickets, thus making them good for one admission daily. There was but little complaint on the part of the holders of those tickets, and I was satisfied with the result.

By comparing the recount of the number of helpers' tickets taken up at the gate during our last Fair with those of the previous year, I am convinced that the neglect of your Superintendents to stamp their name on the back of such tickets had the effect of causing more of those tickets to be received at the gate from persons who were not entitled to use them than if they had been stamped. Season complimentaries, by the direction of your Board, were issued as follows:

To the President, ex-President, Secretary and members of your Board	1,250
To the editors of press of this and adjoining States, 1,000; State officials and members General Assembly, 290; Cook county officials, 35; city officials of Chicago, 73; officials of State and Provincial Agricultural Societies, 101; ex-members Board, 42; Committee of Transportation and Special Donors, 502; crop reporters, 73; agricultural societies, 7; meteorological reporters, 3; officials of express companies, 55; delegates, 93; miscellaneous use for President and members of Board during Fair, 55, being a total of	3,579

The following abstract tables will show the number of each class of tickets sold by your Treasurer and the gross receipts for the same. The individual use of tickets by each member of your Board, and also the recount, showing the number of each class of tickets not returned at the gates.

TICKETS SOLD BY THE TREASURER DURING STATE FAIR.

KIND.	Number.	Value.
Exhibitors' tickets	615	$922 50
Single admissions	39,705	19,852 50
Children	1,307	326 75
Carriages	1,314	657 00
Total	42,941	$21,758 75

Being gross receipts as per settlement with Treasurer.

INDIVIDUAL ACCOUNT OF MEMBERS, SHOWING KINDS OF TICKETS USED BY EACH, 1886.

NAME.	Meal	Helpers	Season team	Single team.	Night check.	Committee.
John Landrigan	50	.....	.....	.....	.....	.....
J. R. Scott	59	.....	.....	.....	.....	.....
J. W. Bunn	119	.....	.....	.....	.....	.....
C. F. Mills	80	.....	.....	.....	.....	.....
J. I. Pearce	41	14	.....	.....	.....	.....
M A. Morse	77	110	.....	.....	.....	.....
J. C. Vaughan	11	140	2	5	.....	6
J. P. Reynolds	40	.....	.....	.....	.....	25
John Griffith	72	24	.....	.....	26	.....
Geo. S. Haskell	74	122	.....	19	.....	25
S. Dysart	15	.....	.....	.....	.....	.....
Ticket office	32	.....	.....	.....	.....	.....
Gates	228	.....	.....	.....	.....	.....
E. C. Lewis	69	137	.....	.....	.....	9
John Virgin	37	.....	.....	.....	1,343	.....
D. W. Vittum	122	54	.....	.....	.....	24
E. B. David	111	59	.....	.....	95	15
A. C. Rush	41	44	.....	.....	.....	11
J. W. Judy	43	.....	.....	.....	.....	.....
Lafayette Funk	47	.....	.....	.....	.....	13
E. E. Chester	29	34	.....	3	.....	1
Joseph Skeavington	70	54	.....	.....	.....	9
David Gore	89	.....	.....	.....	.....	60
D. B. Gillham	666	177	10	1	.....	.....
B. Pullen	37	2,057	3	67	52	.....
J. M. Washburne	42	1,146	12	79	237	.....
Total	2,295	4,182	27	174	1,747	198

RECOUNT OF TICKETS FOR EACH DAY OF FAIR.

1886—Dates.	Single admission	Carriage	Childs	Helper	Team	Night	Railroads
Monday 6	705	15	24	.....	.....	91	.....
Tuesday 7	4,354	259	93	803	58	401	2
Wednesday 8	11,804	526	478	1,065	42	469	32
Thursday 9	16,443	372	475	1,164	37	511	59
Friday 10	6,376	136	230	143	35	205	167
Total	39,682	1,308	1,300	3,975	172	1,677	260

RECAPITULATION.

Exhibitors' Tickets.						
5 coupons each, sold	615	Recounted	2,980	Missing		95
Single admission	39,705	"	39,682	"		23
Carriage	1,314	"	1,308	"		6
Childs	1,307	"	1,300	"		7
Meal tickets	2,295	"	2,223	"		72
Helpers	4,182	"	3,975	"		207
Wagon	174	"	172	"		2
Night checks	1,747	"	1,677	"		70
Committee	198	"	.....	"		.....
Ry. employee	300	"	260	"		40

FAT STOCK, DAIRY AND HORSE SHOW.

The committee appointed by your Board at the last annual meeting for the purpose of selecting a form of "helpers' ticket" for these shows, adopted a similar season ticket to that which is used by the Exposition Company at their exhibition.

These tickets were given out to helpers upon the order of the Superintendents of the departments, and a record of the name, to whom each ticket was issued, was made in my office.

That registry shows there was used in the Cattle Department 48 helpers' tickets; Horse Department, 83; Sheep Dept. 8; Swine 7; Dairy 30; Poultry 2; Permit 57; Supt. Building 57, and to Exhibitors of Special Premiums 20; a total of 312 helpers employed during the Show.

The Complimentaries were issued as follows: to the Pres., Ex-Pres., Sec. and Members of the Board 625. To Editors of this and adjoining States 1,000; State Officials, and Members General Assembly 292 To newly elected members of next Legislature 163; Cook County Officials 35; City Officials of Chicago 73; Officials of State and Provincial Agricultural Societies, 101; Ex-Members of Board 42; Committee on Transportation 415; Special Contributors 196; Crop Reporters, 30; Agricultural Societies 12; Officials of Express Companies, 55; to Editors and Representatives of Chicago and other States who had not received them, 80; Miscellaneous use by Pres., Sec. and Members of Board during Show, 140; Total, 3,249.

This Show being located within the City, from observations at the door, I was convinced that the receipts from the sale of tickets was much reduced by the abuse of the privilege extended by Complimentary Tickets.

I am satisfied that the tickets were given to different persons than to whom they were issued, in very many cases.

The following abstract table shows the sale of tickets for each day of show, the recount of the same, the sum total of receipts from sale of tickets.

TICKETS SOLD BY THE TREASURER DURING AMERICAN FAT STOCK, DAIRY AND HORSE SHOW—1886.

Kind.	Number.	Value.
Exhibitor's tickets	255	$397 50
Single admission	42,964	10,741 00
Children	2,291	343 65
Railroads	1,011	252 75
Total	46,511	$11,734 90

The following table shows the number of tickets sold by the Exposition Company and recounted:

1886—Dates.	November	Single admission	Children	Single comp.	Recount. Single adm.	Recount. Childs	Recount. Single comp.	Recount. Railway
Monday	8	812	15	.....	795	15	4	.....
Tuesday	9	2,824	86	.....	2,822	82	4	.....
Wednesday	10	3,951	115	.....	3,936	115	17	.....
Thursday	11	5,783	223	.....	5,777	221	47	.....
Friday	12	4,760	210	.....	4,747	212	56	.....
Saturday	13	5,767	740	.....	5,772	738	57	.....
Monday	15	5,521	299	.....	5,497	298	62	12
Tuesday	16	5,139	214	.....	5,122	216	70	179
Wednesday	17	3,914	144	.....	3,915	143	58	556
Thursday	18	2,525	97	.....	2,540	96	80	185
Friday	19	1,968	148	.....	2,005	148	96	79
Total	..	42,964	2,291	.....	42,928	2,284	5.1	1,011

Result of recount shows 36 single admission and 7 children's tickets missing.

Respectfully submitted,

SAMUEL DYSART, *Superintendent,*

Inter-National Association Fairs and Expositions.

To the Illinois State Board of Agriculture:

The undersigned were appointed delegates to attend the Annual Meeting of the Inter-National Association of Fairs and Expositions held in the city of Chicago, November 15 and 16, 1886.

The papers read and the discussions following, elicited much valuable information, and it is recommended that the papers read at the meeting by the members of this Board and such other papers and discussions as the prescribed limit of the Annual Report will permit, be published therein for the information of all engaged in the management of fairs in this State.

Respectfully submitted,

JOHN LANDRIGAN,
JAS. W. JUDY,
JOHN VIRGIN.

Report of Committee on Drainage.

To the State Board of Agriculture:

The undersigned were appointed a committee to award medals for the best machine for digging ditch for tile and for best dredging machine for making excavations for large canals for general outlets for tile and surface drainage.

Entries were made by the following manufacturers of ditching machines:

Fawcett Plumb, Streator, Ill.
Chandler & Taylor, Indianapolis, Ind.
Chicago Tile Ditching Machine Co., Chicago, Ill.
Thompson Steam Ditching Machine Co., Bucyrus, Ohio.
J. W. Smith, Mt. Pulaski, Iowa.

The two last named exhibitors did not put in an appearance at the trial which was held on the University Farm at Champaign, in compliance with the announcement contained in the appended circular.

The report of the committee appointed to make the award is presented herewith, and designates the machine of Messrs. Chandler & Taylor of Indianapolis, Ind., as entitled to the medal.

The following manufacturers entered their dredging machines for the contest:

Marion Steam Shovel Co., Marion, Ohio.
Menge Dredge Co., Chicago, Ill.
Bucyrus Foundry and Manf'g Co., Bucyrus, Ohio.

The Marion Steam Dredge was in operation near Ashkum in Iroquois county.

The Menge Dredge was in operation on the Vermilion Ditch in Ford county, near Piper City.

The dredge manufactured by the Bucyrus Foundry and Manufacturing Company was in operation near Havana, in Mason county.

All the dredges were visited by the committee and carefully examined while in operation.

The committee unanimously voted to award the medal to the dredge manufactured by the Bucyrus Foundry and Manufacturing Company of Bucyrus, Ohio. Descriptions of the dredges competing are given in the appended report.

The citizens of Champaign provided a premium fund for a hand ditching contest, and requested the undersigned to conduct the trial.

The report of the judges appointed to award the premiums to the hand-spaders, is given herewith.

The extensive drainage districts that have been organized in various portions of the State under the recent law, are of such magnitude as to challenge the admiration of all interested in the development of the resources of the State.

The committee deem this matter of sufficient importance and general interest to make reference to the same in the appended report, and recommend its publication in the Annual Report of the Board.

Respectfully submitted,

E. E. CHESTER,
JOHN VIRGIN,
LAFAYETTE FUNK.

Ditching Machines.

Illinois State Board of Agriculture,
Springfield, April 10, 1886.

The Illinois State Board of Agriculture has arranged for a public trial at Champaign, Ill., June 10 and 11, 1886, of machines for opening ditch for drain tile, as well as for machines for making excavations for canals for general outlets

It is expected that the trial of machines for opening ditch for tile will take place on grass lands on the farm of the University of Illinois at Champaign. The prairie soil on the University farm is comparatively free from stone, and the surface somewhat level, but with sufficient inclination to secure good drainage

There are over six hundred tile factories in operation in the state; and the increasing demand for tile for years will necessitate additional facilities for manufacturing it to meet the growing wants of Illinois farmers.

The appliances for digging ditches for tile are greatly needed and comparatively unknown to the great majority of interested land owners engaged in the drainage of the large areas of wet lands in this State. In order to call attention to the various ditching machines in use, and to give manufacturers an opportunity of demonstrating in practical operation the advantages claimed for their inventions, the Illinois State Board of Agriculture offers a gold medal to the exhibitors of the best appliance for digging large canals for general outlets, and a gold medal for the best machine for opening a ditch for tile. Manufacturers of tools or machinery used in making tile or excavating open ditches, or implements used in running levels or laying tile, are requested to exhibit the same at the time of the trial at Champaign.

The committee, immediately after the trial at champaign, will examine any machines for making excavations or canals that may be in operation in Central Illinois; provided that application for such inspection is filed with the Secretary of the Board at Springfield, prior to June 1, 1886.

The committee, in determining the merits of the competing machines for opening ditch for tile will give due consideration to the accuracy of the grade at the bottom of the ditch—cost per rod for digging the ditch—rapidity of the work—lightness of draft—condition of the earth thrown out for refilling—condition of the sides of the ditch and damage to surface soil in digging—mechanism, economy of construction, simplicity and durability of machine—ease of transportation and convenience for handling machines.

Applications for entry should be filed with Charles F. Mills, Secretary of the State Board of Agriculture, Springfield, prior to June 1, 1886.

E. E. CHESTER,
LAFAYETTE FUNK,
JOHN VIRGIN.
Committee.

FORESTRY.

To the State Board of Agriculture:

The committee on Forestry beg leave to report that they have called a convention of all interested in forestry to meet in this city of Springfield, Wednesday evening, January 12, 1887.

Respectfully submitted,

G. S. HASKELL,
E. E. CHESTER,
Committee.

REPORT OF COMMITTEE ON SUBSCRIPTIONS, AMERICAN FAT STOCK, DAIRY AND HORSE SHOW.

To the Illinois State Board of Agriculture:

The Committee appointed to solicit donations for the Fat Stock and Dairy Show, beg leave to report that the cash subscriptions turned over to the Treasurer of the Board on account of the late exhibitions, amount to $7,361.

In addition to the above amount should be added special premiums aggregating $9,168.50, making the total amount received on this account $16,529.50.

The following appended list includes the cash subscriptions made to the general premium fund of the Fat Stock, Horse and Dairy Shows of 1886, as well as the special premiums offered by individuals or firms.

Respectfully submitted,

SAMUEL DYSART,
J. IRVING PEARCE.

Motion Mr. Haskell adopted,

That a committee of three be appointed on Miscellaneous Awards.

President appointed as said committee, Messrs. Haskell, Vaughan and David.

The following reports were read and ordered placed on record:

SPECIAL COMMITTEE ON NATIONAL BUTTER, CHEESE AND EGG ASSOCIATION.

CHICAGO, June 17, 1886.

To the Illinois State Board of Agriculture:

The undersigned, a committee appointed at a meeting of the Board in January last to further investigate the complaint of E. A. Berry, of Adeline, Ills., alleging that the National Butter, Cheese and Egg Association refuses to issue the gold medal offered by that Association and awarded to him at the American Fat Stock and Dairy Show in November last, respectfully report that they

interviewed Col. R. M. Littler, the Secretary of said Association on the subject and were assured by him that said association would not issue said medal. Whether the association ever took action in this matter or whether the Secretary, Col. Littler spoke for himself only, your committee did not learn, nor do they believe it is worth while to inquire.

We were told also by the Secretary, Col. Littler, that although the nominal value of the medal offered is one hundred dollars, its probable cost would not exceed fifty dollars.

We therefore recommend that the amount authorized by action of the Board at the last winter meeting, be paid to Mr. E. A. Berry out of the treasury of the Board at once.

Respectfully,

J. P. REYNOLDS,
J. IRVING PEARCE,
M. A MORSE,
Committee.

FERTILIZERS.

To the Illinois State Board of Agriculture:

The committee appointed to put the new law providing for the inspection of commercial fertilizers into operation, beg leave to report that a circular was prepared and mailed to all the manufacturers of fertilizers doing business in this State.

The committee have made arrangements with Prof. Wm. McMurtrie, Chemist of the University, to make analyses of fertilizers at the rate of $10 per sample.

The name of the only manufacturer of fertilizers who has complied with the provisions of the law, is North Western Fertilizer Company, Union Stock Yards, Chicago, Ill.

It is recommended that the Secretary prepare the report called for in the statutes, relating to inspection of fertilizers, and that the same be published in pamphlet form.

D. B. GILLHAM,
LAFAYETTE FUNK.

REPORT OF COMMITTEE ON MISCELLANEOUS AWARDS.

To the Illinois State Board of Agriculture:

The committee suggest for the approval of the Board the following recommendations made by the awarding committee on miscellaneous entries at the Fair and Fat Stock Show of 1886,

The superintendents of the departments named below concur in the following recommendations.

Respectfully submitted,

GEO. S. HASKELL,
J. C. VAUGHAN,
E. B. DAVID,
Committee.

LIST OF MISCELLANEOUS AWARDS.

ILLINOIS STATE FAIR, 1886.

CLASS F—MECHANIC ARTS.

J. C. VAUGHAN, *Superintendent.*

LOT 97—STOVES, METAL WORK, ETC.

Air Vent and Compresser for fermented liquor:
Keenan & McMullen, Chicago.....High Commendation.

Hand Grenades, etc.:
Harden Hand Grenade Fire Ex. Co., Chicago.....High Commendation.

Meat Roaster:
S. M. Atkinson, Chicago.....High Commendation.

Hog Rings:
J. H. Brown & Co., Chicago.....High Commendation.

Telephone:
Wm. Hubbard, Elgin, Ill.....Highest Commendation.

Nut Lock:
J. E. Davis, Chicago.....First.

Lawn Sprinkler:
L. B. Rudd, Wheaton, Ill.....First.

Escutcheon Ear Tag:
S. J. Mitchell, Chicago.....High Commendation.

Lamp for Sewing Machines:
Amos Hartong, Joliet, Ill.....High Commendation.

Edwards' Oil Stove Burner.
S. L. Campman, Chicago.....First.

Hame Fastener:
Rogers & Hard, Portage Citv.....High Commendation.

Animal Trap:
L. E. Eastheim, Chicago.....High Commendation.

Lot 98—Furniture, Desks, etc.

Kitchen Cabinet and Refrigerator:
Spicer's Kitchen Cabinet Co., Chicago.....High Commendation.

Display of Ladders:
National Ladder Co., Chicago.....High commendation on extension ladder.

Carpet Stretcher:
Keenan & McMullen, Chicago.....High Commendation.

Celluloid Door Plate:
Keenan & McMullen, Chicago.....High Commendation.

Step Ladder:
Chicago Step Ladder Co., Chicago.....High Commendation.

Broom Holder:
Geo. T. Giles, Chicago.....High Commendation.

Reclining Chair and Lounge:
Hartley Reclining Chair Co., Chicago.....High Commendation.

Wire Door Mat:
L. B. Rudd, Wheaton, Ill.....High Commendation.

Clothes Rack:
F. M. Harris, Winamack, Ind.....High Commendation.

Lot 99—Manufactures of Various Kinds.

Pillow Sham Holder:
Wm. Dyer, Chicago.....High Commendation.

Pillow Sham Holder:
C. H, Marchant, Chicago.....Highest Commendation.

American Stock Food:
P. H. Rymal, Chicago.....High Commendation.

Horse Nails:
Globe Nail Co., Chicago.....Worthy of Notice.

Thorley Food;
Thorley Food Co., Chicago.....High Commendation.

Royal Stock Food:
E. W. Blatchford & Co., Chicago.....High Commendation.

Medicated Hot Air Bath:
O. W. F. Snyder, Chicago.....High Commendation.

Raven's Horse, Cattle and Poultry Food:
L. A. Raven & Co., Chicago.....High Commendation.

Asthma and Hay Fever Cure:
L. A. Knight, Cincinnati, O.....Commended.

Insect Destroyer:
D. H. Manning, Sibley, Iowa.....Recommended.

Lot 100—Leather and Products of Same.

Leather Belting, Lace Leather, etc.:
Chicago Rawhide Manf'g Co., Chicago.....Highest Commendation.

Acme Feed Bag:
J. R. A. DeShon, Chicago.....Very Highly Commended.

Microscope:
P. A. Burns, Chicago.....High Commendation.

I recommend that the above reports of committees be adopted, and that certificates showing the action taken by our committees be issued to these exhibitors.

J. C. VAUGHAN,
Superintendent Class F.

CLASS K—TEXTILE FABRICS.

M. A. MORSE, *Superintendent.*

Lot 117—Handiwork of Exhibitor.

Knitted Wristlets:
Mrs. M. J. White, Chicago.....Second premium.

Silk Rug:
Mrs. A. J. Hibbard, Chicago.....First premium.

Class L—EDUCATION AND SCIENCE.

A. C. RUSH, *Superintendent.*

Lot 131—Architectural and Mechanical Drawings.

Display of Work:
Asylum Feeble-Minded, Lincoln, Ill.....Honorable mention.

LIST OF MISCELLANEOUS AWARDS.

American Dairy Show, 1886.

E. E. CHESTER, *Superintendent.*

Lot 95—Dairy Implements and Appliances.

Modeling in Butter:
E. A. Kretschman, Philadelphia.....Diploma recommended.

Refrigerator Milk Can:
L. J. Cobb, Chicago.....Commended.

Backstrom Cream Separator:
A. McKim Wilson, St. Louis, Mo.....Diploma recommended.

Cream Carrier.....Commended.

Setting Cans and Jacketed Shipping Cans:
Haney & Campbell, Bellevue, Iowa.....Commended.

Egg Case.....Diploma recommended.

Butter Boxes.....Diploma recommended.

Milk Case.....Diploma recommended.

Box Fastener.....Diploma recommended.

Acme Manf'g Co., Milwaukee, Wis.

Test Churn for Milk or Cream.
Cornish, Curtis & Green, Ft. Atkinson, Wis.....Diploma recommended.

The consideration of the protest of Stone vs. Taylor was, on motion of Mr. David, made the special order.

The following communication was read:

BOLCKOW, MO., Nov. 29, 1886.

Stone & Loake, Stonington, Ill.

GENTLEMEN: Your letter of the 26th at hand and contents noted, and, in reply, will give you the correct ages of the two barrows sold to Jesse Taylor, at Kansas City. The blackest and largest one was farrowed June 21, 1885. His name is Joe. The other one was farrowed August 4, 1885, and is named Dandy. The bill of sale was just this way, and if it was different, he changed it or wrote a new one. I wish you could get hold of the bill of sale and send it to me, and if it has been changed, I could tell it. Were the hogs weighed at Chicago? Dandy weighed, at Kansas City, 385 pounds, and Joe 425 pounds, so I can't see how he made him weigh 443 pounds. Please let me know all about the way he showed the two hogs; and if he claimed that he bought Roundy of me. Was that the name in the bill of sale? Mr. Heath is the man to whom you have reference in regard to saying that I thought he would show the hogs as under one year old. I have no recollection of saying that, but I said to Mr. Heath that I wanted him to watch him, as Thomas Taylor said that I need not give the names of sire and dam, as he might want to show him as a grade, and I told him that they were both thoroughbred, and I should sell them just that way and he could do as he pleased about making a grade out of one of them at Chicago. Let me hear from you at once, and give me all the particulars, as I expect to expose this fraud through the press.

Yours Truly,
W. B. HAYZLETT.

Motion of Mr. Reynolds adopted,
That the protest be declared sustained.

Motion of Mr. Gillham adopted,
That Jesse Taylor and his father, Thomas Taylor, be not permitted in future to exhibit at the Fair and Fat Stock Show.

Motion of Mr. David adopted,
That the premiums awarded to Jesse Taylor at the late Fat Stock Show be declared forfeited to the Board, and that the amounts so awarded be given to the parties who would otherwise have received the same.

Motion of Mr. Judy adopted,
That the International Associations of Fairs and Expositions be notified of the expulsion of Jesse Taylor and Thomas Taylor, for fraud.

The consideration of the protest of A. M. Bingham, on motion of Mr. Chester, was made the special order.

Motion of Mr. Judy adopted,
That the action of the committee be approved, and that the protest be declared not sustained.

Motion of Mr. Judy adopted,
That the claim of Mr. Bingham for cheese lost while on exhibition at the Dairy Show be referred to Mr. Chester, with power to adjust the same.

The following protest of Brown vs. Burgess was read:

CHICAGO, ILL., Sept. 10, 1886.

To the State Board of Agriculture:

I hereby enter a protest against the entry of Shire Horses made by Burgess Bros., of Wenona, Illinois, for the special prize for "Best Display," offered by A. H. Clark and others, my reasons for said protest being that I am well informed and truly believe that said Burgess Bros. are not *bona fide* owners of all the horses shown for above prize.

GEORGE E. BROWN.

Motion of Mr. Virgin adopted,
That the protest be referred to Superintendent Gore, and that the further consideration of the protest be made the special order for Wednesday, January 12, at two o'clock P. M., and that the parties interested be so notified.

The following letter from I. L. and W. L. Ellwood was read, tendering the board the premiums awarded them at the late Fair:

DeKalb, Ill., Sept. 16, 1886.

John W. Bunn, Treasurer:

Desiring to aid in the work of the State Board of Agriculture, and to show our appreciation of the many favors received at the recent Fair, you will please pay the amount of the within check into the general fund of the State Board of Agriculture, with best wishes of

I. L. ELLWOOD.
W. L. ELLWOOD.

Motion of Mr. Reynolds adopted,

That the thanks of the Board be extended to the Messrs. Ellwood for their generous offer.

The following communication from Phocion Howard, the Secretary of the Permanent Road Association, was read, and, on motion of Mr. Gillham, ordered spread upon the record:

Danville, Ill., Jan. 1, 1887.

To the Honorable State Board of Agriculture:

Returns made to these headquarters for the year 1886 aggregate as follows: Of the 102 counties, 35 report in full, 40 make partial reports, and 27 none. The total number of miles of permanent or metal roads built for the year, 469. Total number of miles of dirt road graded and tile-drained, 700. Total amount expended on permanent bridges, mainly iron, for the year, $159,600. These returns show an increase over the year 1885 of 20 per cent. The majority of highway commissioners still are experimenting with tile drains for good roads. It will require another wet season to determine the value of tile-draining. Of the counties reporting greatest mileage of metal roads for the year: Bureau, 1; Will, 2; LaSalle, 3; Peoria, 4; Stephenson, 5; Winnebago, 6; Vermilion, 7; Boone, 8. Fulton, Sangamon, Champaign, Madison, Iroquois and Cook are almost entirely experimenting with dirt roads and tile-draining. McLean, Edgar, Alexander, Pope, Marshall, Grundy, Rock Island, McDonough, Warren and Washington are using both metal and tiledraining.

Respectfully submitted,
PHOCION HOWARD, *Secretary.*

The following communication was read, from S. F. Hanchett, requesting the issuance of duplicate diplomas to replace diplomas burned in the Lake View High School building:

Lake View, Ill., May 3, 1885.

S. D. Fisher, Esq., Secretary State Board of Agriculture:

Dear Sir: On the 13th of March last, the Lake View High School building was destroyed by fire, and all of the diplomas issued by your Board, numbering 31, were lost. I write you at the request of the trustees and faculty of the school to ascertain if it will be possible for your Board to duplicate the diplomas—at the expense of the school, of course. I can give you the number issued each year, and for what the diploma was awarded, except for 1881. Seven diplomas awarded for 1884 not yet received. Please reply at your earliest convenience, and oblige

Yours Truly,
S. F. HANCHETT,
Treasurer and Clerk Board of Trustees, T. 40, R. 14, Cook Co., Ill.

Motion Mr. Reynolds adopted,

That the Secretary be instructed to prepare and send duplicate diplomas as requested.

The following proposition of Mr. J. R. Campbell for the purchase of show cases used by the Illinois Commission at the World's Exposition at New Orleans was read, and the motion of Mr. Haskell was adopted.

The undersigned hereby agrees to give such a sum for the two small show cases, the property of the Illinois State Board, as may be determined upon by the undersigned and a committee representing said Board, each party to select a man to determine the value of said cases, and in case of disagreement the two parties selected to name a third man whose decision shall be final.

The undersigned further agrees to give $6 for the three cases as they now stand, one of which has top and front glass broken and another of the cases has the end glass broken.

JOHN R. CAMPBELL.

On motion of Mr. Judy,

Mr. Haskell was appointed to represent the Board in the sale of the cases.

Mr. Haskell introduced the following resolution, which, on motion of Mr. Reynolds, was adopted:

WHEREAS, The successful establishment of the American Fat Stock, Horse and Dairy Shows in Chicago, has been largely owing to the liberal donations provided by the friends of these enterprises; and,

WHEREAS, The receipts obtained from the holding of these exhibitions have not, and for some years can hardly be expected to be, sufficient to meet the expenses of the same, thereby compelling the management to provide premiums much less than the importance of these exhibitions demand; and,

WHEREAS, The interest in these Shows has been greatly promoted by the generous offer to exhibitors of valuable articles as special premiums, by individuals and companies; and,

WHEREAS, The donation of cash to the premium and expense funds by the friends of these exhibitions have made it possible to much more rapidly build up our exhibition, that has done more than any other similar enterprise to develop the interests of the meat producers and breeders of improved stock of the country; therefore, be it

Resolved, That the thanks of the Illinois State Board of Agriculture and all interested, either as producers or consumers, in the most economical production of the best quality of meats, are due and hereby tendered to all who have so liberally contributed to the support of the American Fat Stock, Horse and Dairy Shows.

Resolved, That the Secretary be and is hereby instructed to send a copy of the foregoing preamble and resolutions to each party contributing to the success of these exhibitions during the past year in the way of donations of cash or valuable articles as special premiums.

On motion of Mr. Funk,
The Board adjourned to meet at 2 o'clock this P. M.

AFTERNOON SESSION.

The Board met as per adjournment.

President Landrigan in the Chair.

Present — President Landrigan, and Vice-Presidents Pearce, Vaughan, Reynolds, Griffith, Haskell, Dysart, Virgin, Vittum, David, Rush, Judy, Funk, Chester, Gore, Gillham and Washburn.

The consideration of the protest of J. H. Eaton vs. T. B. Evans, on motion of Mr. David, was made the special order.

Motion of Mr. Gore adopted,
That the protest of Mr. Eaton be declared not sustained, and that the premium withheld from Mr. Evans be paid.

The following resolution, introduced by Mr. Haskell, was adopted on the motion of Mr. Funk:

WHEREAS, It is desirable to have the same rules and regulations for the government of the Illinois State Fair as adopted by the International Association of Fairs and Expositions; therefore, be it

Resolved, That a committee of three be appointed to compare the present rules of the Board with the rules adopted by the International Association of Fairs and Expositions, and recommend for the consideration of the new Board such changes as may be deemed advisable.

The President appointed as said committee Messrs. Haskell, Reynolds and Funk.

On motion of Mr. Funk,
The Chairman of the Printing Committee was instructed to appeal the case of "The Telegram" vs. the Board to the circuit court of Cook county.

Motion of Mr. Chester adopted,
That Mr. Beckman be allowed the prize in Class N, Lot 72, Premium 235, due him but not entered upon the entry book.

Motion of Mr. Dysart adopted,

That the reports of superintendents not in attendance at this meeting be filed and placed on record.

The committee appointed to arrange for refrigerator at the Fat Stock Show read the following letter:

CHICAGO, December 13th, 1886.

J. IRVING PEARCE, ESQ., *Vice President Illinois State Board of Agriculture:*

DEAR SIR—Confirming our letters of 13th and 15th October, we now beg to submit statement of accounts for Refrigerator work done for the State Board at the Exposition Building, in connection with the Live Stock Show, all of which we trust you will find correct, and solicit an early settlement.

These accounts show the outlay for materials and labor, without any margin of profit. Owing to change in location and other unforeseen difficulties, the actual cost largely exceeds our original estimates; nevertheless, we ask no more for the Chill Room than the original figures, viz: $1,000, if now accepted outright, or $250 for its use and rent.

The accounts for extras are strictly correct; the upper gangway top fencing and delivery platform became necessary through changing the location from the carpenter's corner to the hall, and properly comes under the head of extras.

We had the misfortune of placing the Iron Work in wrong hands; Mr. O'Leary, who undertook this work, was strongly recommended and had the confidence of one member of your committee; the time allowed for completion of the work was so short that we were unable to remedy O'Leary's blunders in time to arrest some little mishaps.

If the Chill Room is accepted by the Board, we will strengthen the rails and simplify the switches in such a manner that everything will work to perfection. The enclosed drawing shows the rails and switches as they will appear when finished. Under this plan we abolish all superfluous switches and sharp curves and furnish Cold Storage Room for five additional bullocks.

We are also prepared to strengthen and remodel the outside wooden structure, in accordance with plans submitted herewith; the red lines on these plans indicate the new work which we propose to put in, all of which we are prepared to do at our own expense and free of cost to the State Board.

The Refrigerating capabilities of the Chill Room have been thoroughly tested; the results are *so perfect* that *any temperature between 22 and 40° can readily be obtained and steadily maintained.* The quantity of ice and salt required for the Live Stock Show work is nine (9) tons of ice and six (6) barrels of salt; total cost of same is about $30.

In order to give the extra heavy stock a fair chance of being properly chilled through, we would suggest that same be slaughtered one day ahead of the light ones, and that same be allowed to remain in the Chill Room for at least 60 hours. All of which is respectfully submitted. We are

Yours truly,

The Chicago Refrigerator and Cold Storage Co.,

I. McGREGOR, *Manager.*

CHICAGO, Nov. 20, 1886.

The Illinois State Board of Agriculture

To the Chicago Refrigerator Manufacturing and Cold Storage Co., Dr., 30, 32 and 34 South Jefferson street.

Chill room 35x17x14, built in sections and erected in Exposition building—

Actual cost	$1,485 43	
Discount, as per contract	485 43	
		$1,000

CATTLE DEPARTMENT.

CHICAGO, Nov. 20, 1886.

The Illinois State Board of Agriculture

To the Chicago Refrigerator Manufacturiug and Cold storage Co., Dr., 30. 32 and 34 South Jefferson street.

Outside rigging and rails connecting killing-place and chill-room—

Lumber on account for structures	$42 61	
W. iron supports " "	4 80	
Iron on account for rails	12 50	
36 hangers for rails, at 75c	27 00	
Six-foot wheel, axle, iron gamble and ropes	55 00	
Hardware—bolts, screws, nails, etc	21 00	
Drilling and labor on account fixing rails and switches	75 00	
Carpenter labor—350 hours at 35c	122 50	
Teaming account	6 50	
		$366 91

CHICAGO, Nov. 20, 1886.

The Illinois State Board of Agriculture

To the Chicago Refrigerator Manufacturing and Cold Storage Co., Dr., 30, 32 and 34 South Jefferson Street.

100 combination wheels and hooks at $1	$100 00	
4 ice-boxes on wheels at $6	24 00	
1 block and tackle and rope	3 50	
For upper gangway and weighing platform*—		
Lumber on account	38 00	
Hardware on account	17 50	
Carpenter's time—140 hours at 35c	49 00	
		$232 00

HOG AND SHEEP DEPARTMENT.

CHICAGO, Nov. 20, 1886.

The Illinois State Board of Agriculture

To the Chicago Refrigerator Manufacturing and Cold Storage Co., Dr., 30, 32 and 34 South Jefferson street.

Hog and sheep run—		
Lumber on account	$15 38	
Hardware on account	7 25	
Renewing scalding box	7 00	
Carpenter's time on run—125 hours at 35c	36 75	
		$66 38

Motion of Mr. David adopted,

That the proposition of the Refrigerator Company be referred to Mr. Pearce, who is authorized to adjust the account to the best interests of the board.

Motion of Mr. Gillham adopted,

That all unpaid accounts for advertising be referred to the Printing Committee, and that the Committee be instructed to pay only such bills as were duly contracted for.

Motion of Mr. Reynolds adopted,

That a committee of three be appointed to prepare resolutions expressive of the regret of the Board in the decease of A. J. Matson, ex-member of the Board.

President appointed as said committee, Messrs. Reynolds, Gillham and Vittum.

Mr. Funk in the chair.

The resolution introduced by Mr. David relating to the suppression of pleuro pneumonia, was, on motion of Mr. Gillam, referred to a committee of three to report upon the same.

Chair appointed as said committee, Messrs. David, Reynolds and Washburn.

The following resolution was read, and, on motion of Mr. Virgin, adopted on a rising vote:

JANUARY 4, 1886.

Resolved. That we have learned with sincere regret of the decease of A. J. Matson, Esq., of Whiteside county, Illinois, who served, with the most conscientious faithfulness, as a member of the Executive Board of the Illinois State Agricultural Society, during the years 1861, 1862, 1863 and 1864, and that we hereby tender to his bereaved family our heartfelt sympathy and condolence in their great affliction.

JOHN P. REYNOLDS,
D. B. GILLHAM,
D. W. VITTUM, Jr.

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* Extra work rendered necessary through changing location.

Mr. Reynolds introduced the following resolutions, which were adopted on motion of Mr. Gillham:

Resolved, That we hereby tender to the retiring members of this Board, viz.: Messrs. Scott, Vaughan and Griffith, our sincere and hearty acknowledgments of the pleasure and profit we have derived from their association with us in the line of our official duty, and in social intercourse, and that we claim the privilege now of recording our formal testimony to their individual worth and to the sterling faithfulness which they have at all times brought to the discharge of the responsible duties devolved upon them.

Resolved, That the Secretary be and is hereby instructed to send a copy of the above resolutions to the retiring members of the Board, named above.

Motion of Mr. Gillham adopted,

That a committee of three be appointed, with Mr. Haskell as Chairman, to confer with members of the Board, and take the necessary steps to secure a testimonial to be presented to Hon. John Landrigan, the retiring President, who has so acceptably and ably discharged the duties of the office during the past four years.

The Chair appointed Messrs. Dysart and Pearce as the other two members of the committee.

On motion of Mr. Gillham, the Board adjourned, to meet at the Leland Hotel at 7:30 o'clock this P. M.

LELAND HOTEL,
TUESDAY, P. M.—9 o'clock,
January 4, 1887.

President Landrigan in the Chair.

Present: President Landrigan, Vice-President Pearce, Morse, Reynolds, Griffith, Haskell, Dysart, Virgin, Vittum, David, Judy, Chester, Gillham, Washburn, and Ex-President Scott.

The minutes of the morning and afternoon session were read, and, on motion of Mr. Judy, approved.

The treasurer made the following report, which, on motion of Mr. Judy, was referred to the Finance Committee:

TREASURER'S REPORT.

STATE OF ILLINOIS,

IN ACCOUNT WITH JOHN W. BUNN,

Treasurer Illinois State Board of Agriculture.

1886.		DR.		
January 1	To unexpended appr'n acc't.	Curator	$300 00	
	" " " "	Museum	915 24	
	" " " "	Library	1,924 69	
	" " " "	Office expenses	513 45	
July 1	" " " "	Crop statistics	2 20	
				$3,655 58
	To amount received from State, account Fair and Fat Stock Show premiums		$5,000 00	
	To amount received from State, account Secretary's salary		2,400 00	
	To amount rec'd from State, acc't Clerk hire		1,500 00	
	" " " "	Curator	600 00	
	" " " "	Porter	600 00	
	" " " "	Museum	300 00	
	" " " "	Crop statistics	1,200 00	
	" " " "	Library	400 00	
	" " " "	Office expenses	1,200 00	
				13,200 00
	To amount appropriated for Agricultural Societies, for fairs held in 1885			8,500 00
				$25,355 58
		CR.		
	By salary, Secretary		$2,400 00	
	" " Clerk hire		1,500 00	
	" " Curator		600 00	
	" " Porter		600 00	
	" Museum		338 35	
	" Library		293 99	
	" Crop statistics		1,202 10	
	" Office expenses		1,417 36	
	" Premium account, Fair		4,000 00	
	" " " Fat Stock Show		1,000 00	
				$13,351 80
	By unexpended appr'n acc't,	Curator	$300 00	
	" " " "	Museum	876 89	
	" " " "	Library	2,030 70	
	" " " "	Office expenses	296 09	
	" " " "	Crop statistics	10	
				3,503 78
	By 85 Agricultural Societies			8,500 00
				$25,355 58

SPRINGFIELD, January 5, 1887. JOHN W. BUNN, Treasurer.

ILLINOIS STATE BOARD OF AGRICULTURE,

IN ACCOUNT WITH JOHN W. BUNN, TREASURER.

	STATE FAIR.		
	DR.		
1886. January 1	To balance	$23,876 27	
	" amount received from State for premiums	4,000 00	
	" " " Fair 1886	21,827 75	
	" " " speed entrance	2,160 00	
	" " " stalls	1,598 00	
	" " " permits	4,600 00	
	" " " J. I. Pearce, races	500 00	
	" " " grand sweepstakes herd prize	1,000 00	
	" " " printing programmes	150 00	
	" " " lumber sold	175 00	
	" " " premiums donated	210 00	
	" " " citizens	35 79	
			$60,132 81

Treasurer's Report—Continued.

Cr.			
By traveling expenses, Board	$657 40		
" hotel bills, Board	1,356 45		
" Assistant Superintendents, Fair	959 45		
" Clerks, Auditors	36 75		
" " Treasurer	221 00		
" " Secretary	60 00		
" " General Superintendent	300 51		
" Gatemen	428 20		
" Advertising	1,299 95		
" Printing and stationery	1,085 30		
" Construction and labor	1,876 84		
" Stall and entry fees returned	168 00		
" Speed entrance returned	215 00		
" Expenses departments	185 42		
" Meals at Fair	730 98		
" Lumber	1,221 77		
" Police	544 00		
" Postage	172 79		
" Livery	340 50		
" Music	240 00		
" Ice	45 75		
" Storage	93 85		
" Type-writer	100 00		
" Fire extinguisher	12 00		
" Inter-State Fair Association	20 00		
" National Cattle Growers' Association	10 00		
" Crop statistics	708 23		
" Treasurer's salary	600 00		
" Secretary's salary	100 00		
" Clerk hire, Agnes E. DuBois	240 00		
" " D. C Hoyt	240 00		
" " Crop statistics	485 00		
		$14,785 14	
By premiums paid Class A—Cattle	$3,950 00		
" " B—Horses	6,176 00		
" " B—Speed	6,060 50		
" " C—Sheep	1,595 00		
" " D—Swine	1,845 00		
" " E—Poultry	664 00		
" " F—Mechanics	35 00		
" " G—Farm Products	731 00		
" " H—Horticulture	1,222 00		
" " I—Fine Arts	511 00		
" " K—Textile Fabrics	604 00		
" " L—Education and Science	958 00		
" " N—Dairy	115 00		
Total premiums, Fair 1886	$24,465 50		
By ribbons, etc	108 58		
" premiums, Fair 1885	77 00		
Total premiums		24,651 08	
By amount paid account Fat Stock Show, 1886		1,950 62	
" balance		18,745 97	
			$60,132 81

SPRINGFIELD, January 5, 1887. JOHN W. BUNN, TREASURER.

ILLINOIS STATE BOARD OF AGRICULTURE,

IN ACCOUNT WITH JOHN W. BUNN, TREASURER.

	FERTILIZER ACCOUNT.		
1886. Sept. 10.	DR.		
	To Northwestern Fertilzer Co.	$20 00	
	CR.		
	By balance		$20 00

SPRINGFIELD, January 5, 1887. JOHN W. BUNN, Treasurer.

ILLINOIS STATE BOARD OF AGRICULTURE,

IN ACCOUNT WITH JOHN W. BUNN, Treasurer.

	FAT STOCK, DAIRY AND HORSE SHOWS.		
1886.	DR.		
	To amount received Show 1886	$14,659 75	
	" " " subscriptions, Show 1886	5,175 00	
	" " " Dairy premium fund	2,000 00	
	" " " American Short Horn Breeders' Ass'n	505 00	
	" " " Cleveland Bay Association	450 00	
	" " " Clydesdale Association	490 00	
	" " " French Draft Association	425 00	
	" " " Shire Horse Association	480 00	
	" " " American Percheron Ass'n.—donation	500 00	
	" " " State for premiums	1,000 00	
	" deficit, Show 1886	1,950 62	
			$27,635 37
	CR.		
	By traveling expenses, Board	$291 54	
	" Hotel bills, Board	1,142 20	
	" Assistant Superintendents	450 35	
	" Gatemen	412 50	
	" Clerks, Secretary	40 00	
	" Clerks, Treasurer	178 00	
	" Clerks, Auditors	12 00	
	" Clerks, General Superintendent	234 70	
	" Committeemen	532 80	
	" Construction	3,128 93	
	" Labor	666 42	
	" Printing and stationery	969 90	
	" Advertising	1,141 25	
	" Stall and entry fees returned	143 00	
	" Rent and water	1,206 79	
	" Cleaning building	350 00	
	" Fire department	234 78	
	" Police	404 00	
	" Slaughtering	413 50	
	" Lighting building	1,330 60	
	" Coal	180 52	
	" Music	283 00	
	" Poultry show	300 00	
	" Veterinarian	50 00	
	" Storage	100 00	
	" Postage	193 25	
	" Sundries	111 99	
	" Teeth	33 05	
	" Sawdust, etc.	156 50	
			$14,691 57
	By premiums paid Class A—Cattle	2,930 00	
	" " " " B—Horses	2,630 00	
	" " " " C—Sheep	1,890 00	
	" " " " D—Swine	1,225 00	
	" " " " N—Dairy	1,415 00	
	" " " Show, 1885	475 00	
	" Ribbons, etc.	28 80	
			$10,593 80
	Carried forward		$25,285 37

Treasurer's Report—Continued.

Brought forward	.....	$25,285 37
By Short Horn specials	$380 00	
" Clydesdale specials	490 00	
" Cleveland Bay specials	450 00	
" Shire Horse specials	480 00	
" French Draft specials	425 00	
		2,225 00
		125 00
By Short Horn specials unpaid	.....	$27,635 37
Dr.		
To deficit, Show 1878	$451 81	
" " " 1879	1,861 24	
" " " 1880	578 18	
" " " 1881	18 03	
" " " 1884	483 77	
" " " 1885	2,160 13	
" " " 1886	1,950 62	
		$7,503 78
Cr.		
By surplus, Show 1882	$674 56	
" " " 1883	344 38	
		$1,018 94
" present deficit to balance	.....	6,484 84
		$7,503 78

SPRINGFIELD, January 5, 1887. JOHN W. BUNN, Treasurer.

Motion of Mr. Gillham adopted,

That the vote postponing until next week the consideration of the resolutions relating to Pleura-Pneumonia among cattle be reconsidered.

Motion of Mr. Gillham adopted,

That the committee be requested to submit their report at this time.

The following amended series of resolutions were submitted as a report by the committee:

To the State Board of Agriculture:

The undersigned committee recommend the adoption of the following amended preamble and resolutions:

WHEREAS, The continued existence of contagious pleuro-pneumonia among Cattle in this country is due solely to the failure of the National Government in maintaining proper quarantine regulations on the seaboard, and

WHEREAS, Said disease has now, in the opinion of prominent veterinary surgeons, got such foothold as to seriously affect great business industry, and threaten a serious interruption to inter-state and foreign commerce in cattle, and

WHEREAS, State laws alone have seemed to be unavailing in dealing with this disease, therefore,

Resolved, That we regard it as the duty of the Congress of the United States to speedily enact a proper law for the suppression of all Contagious Diseases among Cattle in the United States, placing the execut on of such a law in the hands of able and energetic business men, whose sole efforts and energies shall be directed to the one task.

Resolved, That in view of the nature and importance of this subject, nothing should be permitted to stand in the way of affording prompt measures of relief.

Resolved, That copies of these Resolutions be sent to each member of Congress from Illinois, and that each individual member of this Board is hereby requested to write a personal letter to his representative, urging him to support the Bill for the suppression of Exotic Diseases, introduced by Senator Miller and Representative Carey.

Respectfully submitted,

E. B. DAVID,
JOHN P. REYNOLDS,
JAMES M. WASHBURN.

Mr. Washburn moved to amend as follows: After the words "prompt measures of relief," add, "and we are of the opinion that the general welfare of the people of the United States imperatively requires this legislation."

The report as amended was adopted.

The Auditing Committee made the following report, which, on motion of Mr. Reynolds was adopted.

REPORT OF AUDITING COMMITTEE.

To the Illinois State Board of Agriculture:

The Auditing Committee beg leave to make the following report:

The expenses of the Board in connection with the Fair, Fat Stock Show and the Department of Agriculture for the past year, are as follows:

Account of State Fair	$39,436 22
Account of Fat Stock Show	27,510 37
Account of Department	8,351 80
Account of County Fairs	8,500 00
Total	$83,798 39

ILLINOIS STATE FAIR, 1886.

Dr.

To balance			$23,876 27
" amount State appropriation for premiums			4,000 00
" " Fair, 1886			30,185 75
" " Citizens' premiums			1,535 79
" " Premiums donated			210 00
" " Printing programmes			150 00
" " Lumber sold			175 00
PAYING ADMISSIONS.			
Number season tickets	684	$991 50	
" single admission tickets—adults	39,705	19,852 50	
" " " " —children	1,307	326 75	
" carriage tickets	1,314	657 00	
BOOTH PRIVILEGES, ETC.			
To amount received from booths, etc		4,600 00	
" " " for stalls, pens, etc		1,598 00	
" " " for speed entrance		2,160 00	
Total receipts at gate and for permits, etc		$30,185 75	
NON-PAYING TICKETS ISSUED.			
Number complimentaries issued	2,690		
" committee on transportation and special donors	502		
" helpers' tickets issued	4,182		
" tickets issued to crop, meteorological and newspaper reporters and officers county fairs	294		
" tickets to delegates	93		
Total receipts			$60,132 81

Cr.

BY EXPENSES OF DEPARTMENTS.

Class.	Assistant superintendents or clerks.....	Traveling expenses.....	Hotel bills....	Meals at Fair Grounds.....	Total.....	
A—Cattle	$29 00	$20 71	$71 75	$29 00	$150 46	
B—Horses	160 00	146 55	84 25	51 81	442 61	
C—Sheep	28 00	.....	34 75	40 00	102 75	
D—Swine	36 00	15 20	50 25	37 00	138 45	
E—Poultry	53 00	24 40	39 75	24 00	141 15	
F—Mechanic Arts	28 00	5 00	27 25	3 67	63 92	
G—Farm Products	64 85	29 10	49 25	23 33	166 53	
H—Horticulture and Floriculture	36 00	32 50	62 00	24 67	155 17	
I—Arts	39 00	19 50	11 50	13 67	83 67	
K—Textile Fabrics	47 50	4 00	91 50	25 67	168 67	
L—Education and Science	46 00	25 64	51 00	13 67	136 31	
M—Agricultural Implements	44 00	36 00	62 25	10 33	152 58	
N—Dairy	20 00	19 50	56 50	9 67	105 67	
Marshal of the Ring	88 00	23 75	25 50	14 33	151 58	
Superintendent of Grounds	300 51	43 12	47 75	197 00	588 38	
Auditing Committee	36 75	.....	.....	.....	36 75	
Treasurer's office	221 00	.....	25 50	39 67	286 17	
Secretary's office	60 00	67 01	213 45	26 67	367 13	
Gate and Ticket department	428 20	27 80	110 75	84 15	650 90	
Forage and Stall department	60 00	14 37	58 25	12 33	144 95	
Purchasing department	64 00	.....	22 75	.....	86 75	
President	18 80	32 05	89 75	16 67	157 27	
Ex-President	.....	36 00	.....	19 67	55 67	
Permit and Privilege department	81 30	35 20	45 00	14 00	175 50	
Press department	16 00	.....	7 00	.....	23 00	
Committee on Ditching Trial, etc	.....	.....	18 75	.....	18 75	
Total	$2,005 91	$657 40	$1356 45	$730 98	$4,750 74	$4,750 74

By advertising	$1,299 95	
" printing and stationery	1,085 30	
" construction and labor	1,876 84	
" stall and entry fees returned	168 00	
" speed entrance returned	245 00	
" expenses departments	185 42	
" lumber	1,221 77	
" police	544 00	
" postage	172 79	
" livery	340 50	
" music	240 00	
" ice	45 75	
" storage	93 85	
" typewriter	100 00	
" fire extinguisher	12 00	
" Inter-State Fair Association fees	20 00	
" National Cattle Growers' Association fees	10 00	
" Treasurer's salary	600 00	
" Secretary's salary	100 00	
" clerk hire	965 00	
" crop statistics	708 23	
" premiums, Fair 1886	24,465 50	
" " Fair 1885	77 00	
" ribbons, medals, etc	108 58	
" amount paid account Fat Stock Show, 1886	1,950 62	
" balance	18,745 97	
		55,382 07
Total	.....	$60,132 81

FAT STOCK, DAIRY AND HORSE SHOWS, 1886.

Dr.

To amount received Show 1886	$14,659 75	
" " " subscriptions	5,675 00	
" " " Dairy premium fund	2,000 00	
" " " American Short-Horn Breeders Association	505 00	
" " " Cleveland Bay Association	450 00	
" " " Clydesdale Association	490 00	
" " " French Draft Association	425 00	
" " " Shire Horse Association	480 00	
" " " from State for premiums	1,000 00	
" deficit, Show 1886	1,950 62	$27,635 37

Cr.

BY EXPENSES OF DEPARTMENTS.

Class.	Assistant superintendents or clerks	Awarding committees	Hotel bills	Traveling expenses	Total	
A—Cattle	$20 00	$293 00	$94 25	$5 60	$412 85	
B—Horses	40 00	4 80	56 75	39 30	140 85	
C—Sheep	56 00	105 00	29 25		190 25	
D—Swine	64 00	80 00	40 25	12 25	196 50	
N—Dairy	80 00	30 00	48 25	20 57	178 82	
Marshal of Ring	28 00		38 50	6 50	73 00	
General Superintendent	234 70	20 00	46 25	21 27	322 22	
Secretary's office	40 00		261 35	59 60	360 95	
Treasurer's office	178 00				178 00	
Gate and Ticket Department	412 50		83 35	6 50	502 35	
Permit and Privilege department	39 60		20 25	25 70	85 55	
Forage and Stall department	66 75		71 00		137 75	
President			69 75	37 85	107 60	
E—Poultry	56 00		38 25		94 25	
Auditor's office	12 00				12 00	
Ex-President			19 25	14 00	33 25	
Vice-President 4th district			8 00	6 75	14 75	
" 12th "			41 00	8 50	49 50	
" 16th "			38 00	14 15	52 15	
" 19th "			13 00	13 00	26 00	
" 3d "			5 00		5 00	
" 4th "			44 75		44 75	
" 6th "			24 25		24 25	
" 8th "			51 50		51 50	
	$1,327 55	$532 80	$1,142 20	$291 54	$3,294 09	$3,294 09

By construction	$3,128 93
" labor	666 42
" printing and stationery	969 90
" advertising	1,141 25
" stall and entry fees returned	143 00
" rent and water	1,206 79
" cleaning building	350 00
" fire department	234 78
" police	404 00
" slaughtering	413 50
" lighting building	1,330 60
" coal	180 52
" music	283 00
" expense Poultry Show	300 00
" veterinarian	50 00
" storage	100 00
" postage	193 25
" mounting teeth	33 05
" sawdust, etc	156 50
" sundry expenses	111 99
" premiums, Show 1886	10,090 00
" " " 1885	475 00

By ribbons	$28 80	
" Short-Horn specials	380 00	
" Clydesdale "	490 00	
" Cleveland Bay "	450 00	
" Shire Horse "	480 00	
" French Draft "	425 00	
" Short Horn specials unpaid	125 00	
	$24,341 28	$24,341 28
Total		$27,635 37

FERTILIZER ACCOUNT, 1886.

Dr.		*Cr.*		
To Northwestern Fertilizer Co.	$20 00	By balance on hand		$20 00

J. IRVING PEARCE,
JAMES M. WASHBURN,
Auditing Committee.

ILLINOIS STATE FAIR.

EXPENSES OF DEPARTMENTS FOR THE PAST NINE YEARS.

	1878	1879	1880	1881	1882	1883	1884	1885	1886
Class A—Cattle	$71 53	$189 62	$137 63	$96 50	$89 21	$130 80	$70 75	$184 29	$150 46
B—Horses	139 79	342 93	187 23	132 66	137 84	227 23	223 67	320 65	442 61
C—Sheep	83 70	115 42	123 75	80 35	65 61	159 40	221 78	139 47	102 75
D—Swine	113 20	120 07	109 33	69 30	78 33	165 45	129 60	250 61	138 45
E—Poultry	61 31	92 15	97 68	85 98	84 23	148 40	169 02	186 66	141 15
F—Mechanics	53 67	115 00	108 83	61 66	76 35	130 40	108 30	104 02	63 92
G—Farm Products	53 58	132 20	113 47	116 31	126 11	285 40	242 51	241 51	166 53
H—Horticulture and Floriculture	155 58	321 91	188 65	64 00	128 03	242 00	208 61	220 30	155 17
I—Arts	88 00	85 30	58 25	36 33	64 58	134 00	56 53	102 55	83 67
K—Textile Fabrics	141 00	206 00	145 33	93 90	111 26	126 50	155 50	180 17	168 67
L—Education and Science	.....	53 25	67 75	60 06	126 74	90 15	128 03	142 93	136 31
M—Agricultural Implements	143 83	206 58	189 42	244 85	126 54	133 41	126 11	157 92	152 58
N—Dairy	.....	.....	.....	.....	.....	.....	.....	142 33	105 67
Marshal of Ring	121 25	169 83	153 16	101 00	136 66	132 75	107 31	120 53	151 58
General Superintendent	311 83	370 50	413 50	664 68	1,154 48	659 42	453 04	487 53	588 38
Auditing Committee	314 22	527 32	483 96	436 95	555 21	68 83	60 40	12 00	36 75
Secretary's office	215 80	230 71	129 16	183 75	420 54	489 25	522 87	489 16	367 13
Treasurer's office	249 33	277 00	169 33	267 83	265 83	122 25	107 66	390 58	286 17
President	30 33	185 17	183 90	160 66	167 75	198 05	178 45	189 50	157 27
Reception Committee	116 00	144 25	130 08	91 07	75 00	71 50	.....	.....	.....
Committee of Arrangements	28 50	128 50	27 67	341 93	144 00	.....	.....	.....	.....
Stall and Forage Department	84 67	122 25	155 25	68 17	139 71	184 80	176 41	162 62	144 95
Superintendent of Tickets	.....	.....	.....	.....	.....	273 24	367 18	893 72	650 90
Permit and Privilege Department	.....	.....	.....	.....	.....	133 25	221 16	233 53	175 50
Purchasing Department	.....	.....	.....	.....	.....	128 45	143 88	195 40	86 75
Press Department	.....	.....	.....	.....	84 46	56 00	90 43	7 00	23 00
Ex-President	.....	.....	.....	.....	.....	.....	56 50	39 25	55 67
Committee on ditching trial, etc	.....	.....	.....	.....	.....	.....	.....	.....	18 75

The Finance Committee made the following report which was received, and, on motion of Mr. Gillham, adopted:

REPORT OF FINANCE COMMITTEE.

To the State Board of Agriculture:

The Committee have examined the reports of the Secretary, the Superintendent of Tickets and the Superintendent of Permits and Privileges, and find the receipts of the Board for the year, from all sources, to be as follows; which amounts have been properly accounted for by the Treasurer, viz.:

State appropriations	$13,200 00
" " Agricultural Societies	8,500 00
State Fair, 1886	32,256 54
Fat Stock Show, 1886	14,659 75
Special premiums, Fat Stock Show	10,025 00
Fertilizer	20 00
	$78,661 29

The Finance Committee have carefully examined the annual report of the Treasurer for the year 1886, in connection with the approved vouchers for expenditures on file in the office of the Department, which have been compared with the warrants of the President and Secretary now in the hands of the treasurer. Said warrants cover all vouchers for expenditures in connection with the State Fair, Fat Stock Show and the Department. The vouchers and warrants, in amount, agree with the report of the Treasurer, which we find correct, and recommend for the approval of the Board.

Respectfully Submitted,
J. IRVING PEARCE,
E. E. CHESTER,
E. C. LEWIS,
J. M. WASHBURN.

On motion of Mr. Haskell, the Board adjourned *sine die.*

JOHN LANDRIGAN, *President,*
CHARLES F. MILLS, *Secretary.*

Reports from County Agricultural Boards.

ADAMS COUNTY—Camp Point.

Officers—President, A. R. Wallace, Camp Point; Secretary, Richard Seaton, Camp Point; Treasurer, D. L. Hair, Columbus.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENBS FOR 1886.

Amount in treasury last report	.....	$2,543 99
" received in 1886, fees (gate and entrance)	.....	5,000 00
" booth rents and permits	.....	649 00
" received 1886, sales shares stock	.....	20 00
" received 1886, State appropriation	.....	100 00
" paid 1886, in premiums	$3,199 75	.....
" paid 1886, for real estate, buildings and improvements	783 09	.....
" paid 1886, for current expenses other than premiums	1,799 95	.....
" paid 1886, on previous indebtedness	.....	.....
" remaining in the treasury	2,030 20	.....
Totals	$8,312 99	$8,312 99

BOONE COUNTY—Belvidere.

Officers—President, George Reed, Belvidere; Secretary, A. E. Jenner, Belvidere; Treasurer, William D. Swail, Belvidere.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$164 66
" received in 1886, fees (gate and entrance)	.....	2,332 35
" booth rents and permits	.....	252 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	47 00
" paid 1886, in premiums	$1,408 25	.....
" paid 1886, for real estate, buildings and improvements	334 97	.....
" paid 1886, for current expenses other than premiums	705 99	.....
" paid 1886, on previous indebtedness	364 20	.....
" remaining in the treasury	82 80	.....
Totals	$2,895 01	$2,895 01

BROWN COUNTY—Mt. Sterling.

Officers—President, C. M. Dunlap, Mt. Sterling; Secretary, John J. McDannold, Mt. Sterling; Treasurer, S. D. Nokes, Mounds.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$1,609 49
" received in 1886, fees (gate and entrance)	.....	4,222 45
" booth rents and permits	.....	508 00
" received 1886, sale shares stock	.....	199 18
" received 1886, State appropriation	.....	100 00
" received 1886, other sources—for interest	.....	128 00
" paid 1886, in premiums	$2,598 05	.....
" paid 1886, for real estate, buildings and improvements	528 00	.....
" paid 1886, for current expenses other than premiums	1,360 36	.....
" remaining in the treasury	2,280 71	.....
Totals	$6,767 12	$6,767 12

BUREAU COUNTY—Princeton.

Officers—President, Ellis B. Wood, Van Orin; Secretary, M. C. Clark, Princeton; Treasurer, E. A. Washburn, Princeton.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$181 15
" received in 1886, fees (gate and entrance)	.....	4,513 09
" booth rents and permits	.....	492 62
" received 1886, sales shares stock	.....	10 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	250 21
" paid 1886, in premiums	$3,360 00	.....
" paid 1886, for real estate, buildings and improvements	400 00	.....
" paid 1886, for current expenses other than premiums	1,489 11	.....
" paid 1886, on previous indebtedness	249 65	.....
" remaining in the treasury	48 31	.....
Totals	$5,547 07	$5,507 07

CASS COUNTY—Virginia.

Officers—President, C. W. Savage, Virginia; Secretary, R. Lancaster, Virginia; Treasurer, J. T. Stribling, Virginia.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$945 83
" booth rents and permits	.....	145 50
" received 1886, State appropriation	.....	100 00
" received 1886, other sources—for stall, entrance fees, etc.	.....	520 50
" paid 1886, in premiums	$598 20	.....
" paid 1886, for real estate, buildings and improvements	200 00	.....
" paid 1886, for current expenses other than premiums	913 63	.....
Totals	$1,711 83	$1,711 83

CHAMPAIGN COUNTY—Champaign.

Officers—President, H. H. Harris, Champaign; Secretary, J. W. Booker, Champaign; Treasurer, J. H. Blaine, Champaign.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1885, fees (gate and entrance)	.....	$4,907 40
" booth rents and permits	.....	1,590 50
" received 1886, other sources, for	.....	1,022 33
" paid 1886, in premiums	$3,504 52	.....
" paid 1886, for real estate, buildings and improvements	347 63	.....
" paid 1886, for current expenses other than premiums	885 63	.....
" paid 1886, on previous indebtedness	2,015 33	.....
" deficit the current year (1886)	.....	232 88
Totals	$6,753 11	$6,753 11

CHRISTIAN COUNTY—Assumption.

Officers—President, P. L. Myers, Assumption; Secretary, J. M. Brice, Assumption; Treasurer, James Ridge, Assumption.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$620 80
" booth rents and permits	.....	37 25
" received 1886, other sources, for citizens' purses, etc	.....	48 50
" paid 1886, in premiums	$329 25	.....
" paid 1886, for current expenses other than premiums	60 65	.....
" remaining in treasury	316 65	.....
Totals	$706 55	$706 55

CHRISTIAN COUNTY—Pana.

Officers—President, H. N. Schuyler, Pana; Secretary, J. C. Essick, Pana; Treasurer, W. J. Jordon, Pana.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$151 81
" received in 1886 fees (gate and entrance)	.....	3,577 50
" booth rents and permits	.....	241 50
" received 1886, sale shares stock	.....	3,000 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	196 25
" paid 1886, in premiums	$1,683 75	.....
" paid 1886, for real estate, buildings and improvements	5,653 15	.....
" paid 1886, for current expenses other than premiums	638 56	.....
" deficit the current year (1886)	.....	$708 40
Totals	$7,975 46	$7,975 46

COLES COUNTY—CHARLESTON.

OFFICERS—President, William Millar, Mattoon; Secretary, J. H. Marshall, Charleston; Treasurer, J. H. McClelland, Charleston.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$87 07
" received in 1886, fees (gate and entrance)	.....	3,832 12
" booth rents and permits	.....	403 45
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	75 30
" paid 1886, in premiums	$2,638 00	.....
" paid 1886, for real estate, buildings and improvements	93 94	.....
" paid 1886, for current expenses other than premiums	723 81	.....
" paid 1886, on previous indebtedness	999 34	.....
" remaining in the treasury	42 85	.....
Totals	$4,497 94	$4,497 94

CRAWFORD COUNTY—ROBINSON.

OFFICERS—President, P. P. Connett, Robinson; Secretary, William Swaren, Robinson; Treasurer, A. R. Short, Robinson.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$50 11
" received in 1886, fees (gate and entrance)	.....	1,445 60
" booth rents and permits	.....	318 71
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	23 00
" paid 1886, in premiums	$1,279 50	.....
" paid 1886, for real estate, buildings and improvements	150 00	.....
" paid 1886, for current expenses other than premiums	487 25	.....
" remaining in the treasury	20 67	.....
Totals	$1,937 42	$1,937 42

CUMBERLAND COUNTY—GREENUP.

OFFICERS—President, O. G. Jones, Greenup; Secretary, F. M. Snyder, Toledo; Treasurer, W. S. Everhart, Toledo.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$1,967 32
" booth rents and permits	.....	305 25
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	207 00
" paid 1886, in premiums	$1,703 00	.....
" paid 1886, for real estate, buildings and improvements	188 75	.....
" paid 1886, for current expenses other than premiums	491 14	.....
" paid 1886, on previous indebtedness	186 24	.....
" remaining in the treasury	10 44	.....
Totals	$2,579 57	$2,579 57

DeKALB COUNTY—Sycamore.

Officers—President, Hiram Holcomb, Sycamore; Secretary, B. F. Wyman, Sycamore; Treasurer, A. W. Townsend, Sycamore.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$1,604 00
" booth rents and permits	.....	168 00
" received 1886, sales shares stock	.....	88 00
" received 1886, State appropriation	.....	100 00
" paid 1886, in premiums	$1,368 50	.....
" paid 1886, for real estate, buildings and improvements	65 00	.....
" paid 1886, for current expenses other than premiums	628 50	.....
" deficit the current year	.....	102 00
Totals	$2,062 00	$2,062 00

DeWITT COUNTY—Clinton.

Officers—President, William Fuller, Clinton; Secretary, J. W. Bowen, Clinton; Treasurer, M. R. Colwell, Clinton.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENNS FOR 1886.

Amount in treasury last report	.....	$18 43
" received 1886, fees (gate and entrance)	.....	1,551 59
" booth rents and permits	.....	476 50
" received 1886, sale shares stock	.....	260 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	117 25
" paid 1886, in preminms	$1,089 45	.....
" paid 1886, for current expenses other than premiums	1,147 62	.....
" paid 1886, on previous indebtedness	60 00	.....
" remaining in the treasury	226 70	.....
Totals	$2,523 77	$2,523 77

DeWITT COUNTY—Farmer City.

Officers—President, Joseph G. Moore, Farmer City; Secretary, E. H. Slemmons, Farmer City; Treasurer, A. T. Kincaid, Farmer City.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$185 89
" received in 1886, fees, gate and entrance)	.....	3,706 75
" booth rents and permits	.....	809 54
" received 1886, sales shares stock	.....	129 08
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	491 50
" paid 1886, in preminms	$2,938 50	.....
" paid 1886, for real estate, buildings and improvements	944 81	.....
" paid 1886, for current expenses other than premiums	1,124 87	.....
" remaining in the treasury	414 58	.....
Totals	$5,422 76	$5,422 76

DuPAGE COUNTY—Wheaton.

Officers—President Elbert H. Gary, Wheaton; Secretary, William H. Johnson, Wheaton; Treasurer, Lewis C. Staver, Wheaton.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBUSEMENTS FOR 1886.

Amount in treasury last report	.....	$3 51
" received in 1886, fees (gate and entrance)	.....	552 75
" booth rents and permits	.....	87 50
" received 1886, State appropriation	.....	100 00
" received 1886, other sources—for rent, stalls and donations	.....	221 64
" paid 1886, in premiums	$615 75	.....
" paid 1886, for real estate buildings, and improvements	69 60	.....
" paid 1886, for current expenses other than premiums	122 33	.....
" paid 1886, on previous indebtedness	155 00	.....
" remaining in the treasury	2 72	.....
Totals	$965 40	$965 40

EDGAR COUNTY—Paris.

Officers—President, William O. Wilson, Paris; Secretary, H. B. Adams, Paris; Treasurer, LeRoy Wiley, Paris.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$521 40
" received in 1886, fees (gate and entrance)	.....	4,907 06
" booth rents and permits	.....	650 50
" received 1886, State appropriation	.....	100 00
" received 1886, other sources, for money loaned and interest	.....	1,376 01
" paid 1886, in premiums	$3,414 25	.....
" paid 1886, for real estate, buildings and improvements	2,660 02	.....
" paid 1886, for current expenses other than premiums	966 15	.....
" remaining in the treasury	514 55	.....
Totals	$7,554 97	$7,554 97

EDWARDS COUNTY—Albion.

Officers—President, J. W. Barber, Albion; Secretary, George Ferriman, Albion; Treasurer, George Weaver, Albion.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$526 35
" received in 1886, fees (gate and entrance)	.....	2,118 15
" booth rents and permits	.....	226 00
" received 1886, State appropriation	.....	100
" paid 1886, in premiums	$1,677 50	.....
" paid 1886, for real estate, buildings and improvements	354 39	.....
" paid 1886, for current expenses other than premiums	460 32	.....
" remaining in the treasury	518 29	.....
Totals	$3,010 50	$3,010 50

FAYETTE COUNTY—Vandalia.

Officers—President, R. H. Sturgess, Vandalia; Secretary, Chas. L. Dinges, Jr., Vandalia; Treasurer, Simeon Perkins, Vandalia.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$69 69
" received in 1886, fees (gate and entrance)	.....	520 79
" booth rents and permits	.....	71 75
" received 1886, other sources, for stall rent	.....	38 25
" paid 1886, in premiums	$359 00	.....
" paid 1886, for current expenses other than premiums	297 75	.....
" remaining in the treasury	48 73	.....
Totals	$705 48	$705 48

FORD COUNTY—Piper City.

Officers—President, Joseph Burger, Piper City; Secretary, H. S. Carpenter, Piper City; Treasurer, ———

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$134 70
" received in 1886, fees (gate and entrance)	.....	394 75
" booth rents and permits	.....	40 97
" paid 1886, in premiums	$326 75	.....
" paid 1886, for real estate, buildings and improvements	103 00	.....
" paid 1886, for current expenses other than premiums	80 00	.....
" remaining in the treasury	60 67	.....
Totals	$570 42	$570 42

FRANKLIN COUNTY—Benton.

Officers—President, W. R. Webb, Benton; Secretary, John W. Hill, Jr., Ewing College; Treasurer, A. D. Jackson, Benton.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in Treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$2,725 55
" booth rents and permits	.....	449 65
" received 1886, State appropriation	.....	100 00
" paid 1886, in premiums	$1,817 25	.....
" paid 1886, on current expenses other than premiums	1,290 95	.....
" paid 1886, on previous indebtedness	167 00	.....
Totals	$2,927 99	$2,927 99

FULTON COUNTY—Avon.

Officers—President, D. H. Gorham, Avon; Secretary, A. E. Lillie, Avon; Treasurer, F. M. Nance, Avon.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$309 66
" received in 1886, fees (gate and entrance)	.....	1,878 40
" booth rents and permits	.....	372 90
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	734 10
" paid 1886, in premiums	$1,715 13	.....
" paid 1886, for real estate, buildings and improvements	820 00	.....
" paid 1886, for current expenses other than premiums	644 21	.....
" paid 1886, on previous indebtedness	.....	.....
" remaining in the treasury	215 72	.....
Totals	$3,395 06	$3,395 06

FULTON COUNTY—Canton.

Officers—President, J. A. Furry, Canton; Secretary, J. R. Rothman, Canton; Treasurer, J. P. Wolf, Canton.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance	.....	$3,387 00
" booth rents and permits	.....	415 00
" received 1886, other sources	.....	93 00
" paid 1886, in premiums	$1,992 00	.....
" paid for current expenses other than premiums	1,382 00	.....
" remaining in the treasury	521 00	.....
Totals	$3,895 00	$3,895 00

GALLATIN COUNTY—Shawneetown.

Officers—President, M. M. Pool, Shawneetown; Secretary, John L. Robinson, Shawneetown; Treasurer, George A. Lowe, Shawneetown.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$2,847 [illegible]
" booth rents and permits	.....	620 [illegible]
" received 1886, State appropriation	.....	100 [illegible]
" paid 1886, in premiums	$2,571 75	.....
" paid 1886, for real estate, buildings and improvements	248 15	.....
" paid 1886, for current expenses other than premiums	708 00	.....
" paid 1886, on previous indebtedness	39 75	.....
Totals	$3,567 65	$3,567 65

GREENE COUNTY—Carrollton.

Officers—President, Benjamin Roodhouse, Carrollton; Secretary, N. J. Andrews, Carrollton; Treasurer, L. S. Eldred, Carrollton.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$2,916 60
" booth rents and permits	.....	407 50
" received 1886, shares stock	.....	178 75
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	421 55
" paid 1886, in premiums	$1,893 50	.....
" paid 1886, for real estate, buildings and improvements	125 00	.....
" paid 1886, for current expenses other than premiums	1,467 04	.....
" paid 1886, on previous indebtedness	90 65	.....
" remaining in the treasury	447 21	.....
Totals	$4,024 40	$4,024 40

HAMILTON COUNTY—McLeansboro.

Officers—President, W. A. Coker, McLeansboro; Secretary, W. A. McElvaine, McLeansboro; Treasurer, J. J. Buck, McLeansboro.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$87 50
" received in 1886, fees (gate and entrance)	.....	1,680 35
" booth rents and permits	.....	431 90
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	170 00
" paid 1886, in premiums	$1,292 50	.....
" paid 1886, for real estate, buildings and improvements	400 00	.....
" paid 1886, for current expenses other than premiums	536 25	.....
" divided in 1886, to shareholders	200 00	.....
" remaining in the treasury	41 00	.....
Totals	$2,469 75	$2,469 75

HANCOCK COUNTY—Carthage.

Officers—President, Eli W. Bennett, Chili; Secretary, James Mayor, Carthage; Treasurer, E. M. Robbins, Carthage.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$713 50
" received in 1886, fees (gate and entrance)	.....	5,651 55
" booth rents and permits	.....	635 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources, for advertising and rent of grounds	.....	333 00
" paid 1886, in premiums	$3,588 70	.....
" paid 1886, for real estate, buildings and improvements	1,009 81	.....
" paid 1886, for current expenses other than premiums	1,529 19	.....
" paid 1886, on previous indebtedness	176 97	.....
" remaining in the treasury	1,128 38	.....
Totals	$7,433 05	$7,433 05

HANCOCK COUNTY—Warsaw.

Officers—President, Isaac Bliss, Warsaw; Secretary, James T. Johnson, Warsaw; Treasurer, J. B. Dodge, Wsrsaw.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received 1886, fees (gate and entrance)	.....	$1,874 25
" booth rents and permits	.....	264 50
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	239 15
" paid 1886, in premiums	$1,384 50	.....
" paid 1886, for real estate, buildings and improvements	263 87	.....
" paid 1886, for current expenses other than premiums	661 39	.....
" paid 1886, on previous indebtedness	18 82	.....
" remaining in the treasury	149 32	.....
Totals	$2,477 90	$2,477 90

HARDIN COUNTY—Elizabethtown.

Officers—President, Chas. M. Terrell, Elizabethtown; Secretary, James Hetherington, Elizabethtown; Treasurer, R. P. Hetherington, Elizabethtown.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$1,020 50
" booth rents and permits	.....	187 25
" received 1886, State appropriation	.....	100 00
" paid 1886, in premiums	$808 50	.....
" paid 1886, for current expenses other than premiums	367 65	.....
" paid 1886, on previous indebtedness	131 60	.....
Totals	$1,307 75	$1,307 75

HENDERSON COUNTY—Biggsville.

Officers—President, Paul D. Salter, Kirkwood; Secretary, R. A. McKinley, Biggsville; Treasurer, H. Cowden, Biggsville.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$30 25
" received in 1886, fees (gate and entrance)	.....	870 00
" booth rents and permits	.....	157 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	303 63
" paid 1886, in premiums	$618 50	.....
" paid 1886, for real estate, buildings and improvements	334 88	.....
" paid 1886, for current expenses other than premiums	448 52	.....
" paid 1886, on previous indebtedness	39 80	.....
" remaining in the treasury	19 18	.....
Totals	$1,460 88	$1,460 88

HENRY COUNTY—Kewanee.

Officers—President, James K. Blish, Kewanee; Secretary, John Moore, Kewanee; Treasurer, T. H. Phillips, Kewanee.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$5,176 00
" booth rents and permits	.....	550 00
" received 1886, sale shares stock	.....	7,350 00
" paid 1886, in premiums	$2,950 00	.....
" paid 1886, for real estate, buildings and improvements	9,435 00	.....
" paid 1886, for current expenses other than premiums	500 00	.....
" remaining in the treasury	191 00	.....
Totals	$13,076 00	$13,076 00

IROQUOIS COUNTY—Watseka.

Officers—President, Dr. O. Bush, Sheldon; Secretary, L. F. Watson, Watseka; Treasurer, F. P. Martin, Watseka.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$55 95
" received in 1886, fees (gate and entrance)	.....	1,607 00
" booth rents and permits	.....	281 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	220 00
" paid 1886, in premiums	$1,480 00	.....
" paid 1886, for real estate, buildings and improvements	160 00	.....
" paid 1886, for current expenses other than premiums	600 00	.....
" paid 1886, on previous indebtedness	60 00	.....
" deficit the current year, (1886)	.....	36 05
Totals	$2,300 00	$2,300 00

JACKSON COUNTY—Carbondale.

Officers—President, Sam'l F. Bush, Carbondale; Secretary, George W. Graham, Carbondale; Treasurer, Chas. C. Campbell, Carbondale.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$2,139 70
" booth rents and permits	.....	267 35
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	41 50
" paid 1886, in premiums	$1,754 25	.....
" paid 1886, for current expenses other than premiums	562 65	.....
" paid 1886, on previous indebtedness	231 65	.....
Totals	$2,548 55	$2,548 55

JASPER COUNTY—NEWTON.

OFFICERS—President, William Johnson, Newton; Secretary, W. E. Barrett, Newton; Treasurer, J. F. Arnold, Newton.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$1,177 68
" received in 1886, fees (gate and entrance)	.....	1,792 70
" booth rents and permits	.....	337 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	95 00
" paid 1886, in premiums	$1,248 00	.....
" paid 1886, for real estate, buildings and improvements	278 95	.....
" paid 1886, for current expenses other than premiums	636 39	.....
" remaining in the treasury	1,339 04	.....
Totals	$3,502 38	$3,502 38

JEFFERSON COUNTY—MT. VERNON.

OFFICERS—President, A. W. Plummer, Mt. Vernon; Secretary, John S. Bogan, Mt. Vernon; George W. Evans, Mt. Vernon.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in the treasury last report	.....	$58 56
" received in 1886, fees (gate and entrance)	.....	2,156 81
" booth rents and permits	.....	618 59
" received 1886, sale shares stock	.....	184 41
" received 1886, State appropriation	.....	100 00
" paid 1886, in premiums	$1,675 00	.....
" paid 1886, for real estate, buildings and improvements	730 10	.....
" paid 1886, for current expenses other than premiums	218 53	.....
" paid 1886, on shares of stock	375 00	.....
" remaining in the treasury	119 74	.....
Totals	$3,118 37	$3,118 37

JERSEY COUNTY—JERSEYVILLE.

OFFICERS—President, Spencer Wyckoff, Delhi; Secretary, James S. Daniels, Jerseyville; Treasurer, John A. Shepherd, Jerseyville.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$3,316 35
" booth rents and permits	.....	485 50
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	1,254 11
" paid 1886, in premiums	$3,474 50	.....
" paid 1886, for real estate, buildings and improvements	169 89	.....
" paid 1886, for current expenses other than premiums	1,555 63	.....
" paid 1886, on previous indebtedness—interest	52 15	.....
" deficit the current year, (1886)	.....	96 21
Totals	$5,252 17	$5,252 17

JoDAVIESS COUNTY—Galena.

Officers—President, Geo. S. Avery, Galena; Secretary, F. Bostwick, Galena; Treasurer, T. E. Moore, Galena.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$66 11
" received in 1886, fees (gate and entrance)	.....	2,500 79
" booth rents and permits	.....	623 20
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	120 00
" paid 1886, in premiums	$1,448 40	.....
" paid 1886, for current expenses other than premiums	1,894 81	.....
" paid 1886, on previous indebtedness	247 95	.....
" deficit the current year, (1886)	.....	181 06
Totals	$3,591 16	$3,591 16

JoDAVIESS COUNTY—Warren.

Officers—President, Robert Hawley, Warren; Secretary, W. L. Gale, Warren; Treasurer, John C. Woodworth, Warren.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$1,428 70
" booth rents and permits	.....	162 55
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	199 73
" paid 1886, in premiums	$1,139 50	.....
" paid 1886, for real estate, buildings and improvements	186 72	.....
" paid 1886, for current expenses other than premiums	493 82	.....
" paid 1886, on previous indebtedness	223 48	.....
" deficit the current year, (1886)	.....	152 54
Totals	$2,043 52	$2,043 52

KANKAKEE COUNTY—Manteno.

Officers—President, Milo Barnard, Manteno; Secretary, M. Enyart, Kankakee; Treasurer, E. B. Warriner, Kankakee.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$226 55
" received in 1886, fees (gate and entrance)	.....	1,871 00
" booth rents and permits	.....	270 50
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	70 00
" paid 1886, in premiums	$1,447 75	.....
" paid 1886, for real estate, buildings and improvements	384 27	.....
" paid 1886, for current expenses other than premiums	642 26	.....
" paid 1886, on previous indebtedness	68	.....
" remaining in the treasury	63 09	.....
Totals	$2,538 05	$2,538 05

KENDALL COUNTY—Yorkville.

Officers—President, N. Loucks, Oswego; Secretary, E. W. Faxon, Fox; Treasurer, W. R. Newton, Yorkville.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$4 44
" received in 1886, fees (gate and entrance)	.....	2,400 00
" booth rents and permits	.....	200 00
" received 1886, State appropriation	.....	100 00
" paid 1886, in premiums	$1,405 20	.....
" paid 1886, for real estate, buildings and improvements	1,196 24	.....
" paid 1886, for current expenses other than premiums	103 00	.....
Totals	$2,704 44	$2,704 44

KNOX COUNTY—Knoxville.

Officers—President, M. L. Overstreet, Galesburg; Secretary, O. L. Campbell, Knoxville; Treasurer, I. B. Gault, Knoxville.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$286 43
" received in 1886, fees (gate and entrance)	.....	2,500 00
" booth rents and permits	.....	400 00
" received 1886, sale shares stock	.....	310 00
" received 1886, State appropriation	.....	100 00
" paid 1886, in premiums	$2,548 43	.....
" paid 1886, for real estate, buildings and improvements	206 00	.....
" paid 1886, for current expenses other than premiums	300 00	.....
" remaining in the treasury	542 00	.....
Totals	$3,596 43	$3,596 43

LAKE COUNTY—Libertyville.

Officers—President, E. W. Parkhurst, Libertyville: Secretary, W. E. Davis, Libertyville; Treasurer, J. W. Butler, Libertyville.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$22 08
" received in 1886, fees (gate and entrance)	.....	1,344 75
" booth rents and permits	.....	234 35
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	275 08
" paid 1886, in premiums	$1,054 00	.....
" paid 1886, for real estate, buildings and improvements	124 93	.....
" paid 1886, for current expenses other than premiums	281 67	.....
" paid 1886, on previous indebtedness	483 20	.....
" remaining in the treasury	32 46	.....
Totals	$1,976 26	$1,976 26

LAKE COUNTY—WAUKEGAN.

OFFICERS—President, A. Z. Blodgett, Waukegan; Secretary, O. H. Heath, Waukegan; Treasurer, Charles Phillips, Waukegan.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$349 86
" received in 1886, fees (gate and entrance)	.....	2,154 46
" booth rents and permits	.....	481 30
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	200 00
" paid 1886, in premiums	$2,261 25	.....
" paid 1886, for current expenses other than premiums	1,000 37	.....
" paid 1886, on previous indebtedness	180 00	.....
" deficit the current year, (1886)	.....	156 00
Totals	$3,441 62	$3,441 62

LASALLE COUNTY- MENDOTA.

OFFICERS—President, Wm. Truman, Mendota; Secretary, Chas. T. Madden, Mendota; Treasurer, John Goedtner, Mendota.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$30 52
" received in 1886, fees (gate and entrance)	.....	3,299 75
" booth rents and permits	.....	251 40
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	169 50
" paid 1886, in premiums	$2,754 50	.....
" paid 1886, for real estate, buildings and improvements	100 00	.....
" paid 1886, for current expenses other than premiums	1,958 94	.....
" remaining in the treasury	87 73	.....
" deficit the current year (1886)	.....	1,050 00
Totals	$4,901 17	$4,901 17

LIVINGSTON COUNTY—FAIRBURY.

OFFICERS—President, R. C. Straight, Fairbury; Secretary, C. F. H. Carrithers, Fairbury; Treasurer, L. B. Downing, Fairbury.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$3,380 83
" booth rents and permits	.....	338 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	845 73
" paid 1886, in premiums	$3,662 50	.....
" paid 1886, for real estate, buildings and improvements	312 57	.....
" paid 1886, for current expenses other than premiums	941 01	.....
" deficit the current year (1886)	.....	251 52
Totals	$4,916 08	$4,916 08

LOGAN COUNTY—Atlanta.

Officers—President, Ed. Stubblefield, McLean; Secretary, J. P. Hieronymus, Atlanta: Treasurer, C. H. Turner, Atlanta.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$1,158 89
" received in 1886, fees (gate and entrance)	.....	2,748 75
" booth rents and permits	.....	620 50
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	856 65
" paid 1886, in premiums	$1,744 55	.....
" paid 1886, for real estate, buildings and improvements	437 50	.....
" paid 1886, for current expenses other than premiums	1,265 15	.....
" remaining in the treasury	2,037 59	.....
Totals	$5,484 79	$5,484 79

LOGAN COUNTY—Lincoln.

Officers—President, A. B. Nicholson, Lincoln; Secretary, W. D. Duff, Lincoln; Treasurer, C. M. Knapp, Lincoln.

FINAACIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$3,808 53
" booth rents and permits	.....	641 25
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	1,225 50
" paid 1886, in premiums	$2,079 80	.....
" paid 1886, for real estate, buildings and improvements,	495 40	.....
" paid 1886, for current expenses other than premiums	1,830 31	.....
" paid 1886, on previous indebtedness	301 85	.....
" remaining in the treasury	67 92	.....
Totals	$5,775 28	$5,775 28

MACOUPIN COUNTY—Carlinville.

Officers—President, A. C. Hulse, Carlinville; Secretary, George J. Castle, Carlinville; Treasurer, Watson Towse, Carlinville.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$1,950 00
" booth rents and permits	.....	300 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	100 00
" paid 1886, in premiums	$1,112 40	.....
" paid 1886, for real estate, buildings and improvements	387 60	.....
" paid 1886, for current expenses other than premiums	950 00	.....
Totals	$2,450 00	$2,450 00

MARION COUNTY—Salem.

Officers — President, A. Coffin, Salem; Secretary, Joseph Schwartz, Salem; Treasurer, John W. Larrimer, Salem.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$15 40
" received in 1886, fees (gate and entrance)	.....	746 60
" booth rents and permits	.....	67 50
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	113 10
" paid 1886, in premiums	$549 75	.....
" paid 1886, for current expenses other than premiums	276 48	.....
" paid 1886, on previous indebtedness	215 37	.....
Totals	$1,041 60	$1,041 60

MARSHALL COUNTY—Wenona.

Officers—President, S. S. Burgess, Tonica; Secretary, Geo. G. McAdam, Wenona; Treasurer, Joseph A. Blair, Wenona.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$126 72
" received in 1886, fees (gate and entrance)	.....	3,604 74
" booth rents and permits	.....	359 10
" received 1885, State appropriation	.....	100 00
" received 1886, other sources	.....	471 66
" paid 1886, in premiums	$2,945 00	.....
" paid 1886, for current expenses other than premiums	1,425 50	.....
" paid 1886, on previous indebtedness	225 00	.....
" remaining in the treasury	66 72	.....
Totals	$4,662 22	$4,662 22

MASSAC COUNTY—Metropolis.

Officers—President, J. C. Willis, Metropolis; Secretary, Niles Daily, Metropolis; Treasurer, A. D. Davis, Metropolis.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$6 90
" received in 1886, fees (gate and entrance)	.....	808 60
" booth rents and permits	.....	93 60
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	76 05
" paid 1886, in premiums	$430 25	.....
" paid 1886, for real estate, buildings and improvements	109 90	.....
" paid 1886, for current expenses other than premiums	236 05	.....
" paid 1886, on previous indebtedness	80 00	.....
" remaining in treasury	228 95	.....
Totals	$1,085 15	$1,085 15

McHENRY COUNTY—Marengo.

Officers—President, L. W. Sheldon, Marengo; Secretary, J. S. Rogers, Marengo; Treasurer, S. K. Bartholomew, Marengo.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$51 12
" received in 1886 fees (gate and entrance)	.....	1,345 22
" booth rents and permits	.....	171 05
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	30 50
" paid 1886, in premiums	$993 75	.....
" paid 1886, for current expenses other than premiums	699 58	.....
" remaining in the treasury	4 56	.....
Totals	$1,697 89	$1,697 89

McHENRY COUNTY—Woodstock.

Officers—President, Thos. McD. Richards, Woodstock; Secretary, A. S. Wright, Woodstock; Treasurer, A. W. Smith, Woodstock.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$95 02
" received in 1886, fees (gate and entrance)	.....	3,659 35
" booth rents and permits	.....	336 50
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	1,250 15
" paid 1886, in premiums	$2,268 55	.....
" paid 1886, for real estate, buildings and improvements	295 51	.....
" paid 1886, for current expenses other than premiums	2,097 93	.....
" paid 1886, on previous indebtedness	685 50	.....
" remaining in the treasury	93 53	.....
Totals	$5,441 02	$5,441 02

McLEAN COUNTY—Bloomington.

Officers—President, S. N. King, Bloomington; Secretary, A. L. Viney, Bloomington; Treasurer, S. Sniff, Normal.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENNS FOR 1886.

Amount in treasury last report	.....	.....
" received 1886, fees (gate and entrance)	.....	$831 65
" booth rents and permits	.....	109 50
" received 1886, sale shares stock	.....	47 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	18 90
" paid 1886, in premiums	$354 75	.....
" paid 1886, for real estate, buildings and improvements	20 75	.....
" paid 1886, for current expenses other than premiums	415 31	.....
" paid 1886, on previous indebtedness	309 18	.....
" remaining in the treasury	7 06	.....
Totals	$1,107 05	$1,107 05

MENARD COUNTY—PETERSBURG.

OFFICERS—President, C. E. McDougall, Petersburg; Secretary, H. A. Wood, Petersburg; Treasurer, G. B. Welch, Tallula.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees, gate and entrance)	.....	$3,638 07
" paid 1886, in premiums	$1,482 65	.....
" paid 1886, for real estate, buildings and improvements	1,720 89	.....
" paid 1886, for current expenses other than premiums	393 00	.....
" remaining in the treasury	41 53	.....
Totals	$3,638 07	$3,638 07

MERCER COUNTY—ALEDO.

OFFICERS—President, David Calhoun, Keithsburg; Secretary, L. B. Morey, Aledo; Treasurer, Wm. N. Graham, Aledo.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$72 89
" received in 1886, fees (gate and entrance)	.....	3,639 20
" booth rents and permits	.....	884 45
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	86 00
" paid 1886, in premiums	$2,887 25	.....
" paid 1886, for real estate, buildings and improvements	456 66	.....
" paid 1886, for current expenses other than premiums	1,093 15	.....
" paid 1886, on previous indebtedness	427 90	.....
" remaining in the treasury	17 58	.....
" deficit the current year (1886)	.....	100 00
Totals	$4,882 54	$4,882 54

MONTGOMERY COUNTY—HILLSBORO.

OFFICERS—President, Amos Miller, Hillsboro; Secretary, Wm. K. Jackson, Hillsboro; Treasurer, C. T. Tobin, Hillsboro.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBUSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$1,349 96
" booth rents and permits	.....	138 10
" received 1886, State appropriation	.....	100 00
" received 1886, other sources—for rent, stalls and donations	.....	130 70
" paid 1886, in premiums	$1,047 00	.....
" paid 1886, for real estate buildings, and improvements	91 90	.....
" paid 1886, for current expenses other than premiums	518 95	.....
" paid 1886, on previons indebtedness	60 91	.....
Totals	$1,718 76	$1,718 76

OGLE COUNTY—Oregon.

Officers—President, Simon Sheaff, Holcomb; Secretary, Henry P. Lason, Oregon; Treasurer, John Martmiller, Oregon.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$363 52
" received in 1886, fees (gate and entrance)	.....	1,976 03
" booth rents and permits	.....	272 25
" received 1886, other sources, for money loaned and interest	.....	568 25
" paid 1886, in premiums	$1,736 00	.....
" paid 1886, for real estate, buildings and improvements	312 77	.....
" paid 1886, for current expenses other than premiums	773 74	.....
" remaining in the treasury	357 54	.....
Totals	$3,180 05	$3,180 05

OGLE COUNTY—Rochelle.

Officers—President, J. A. Countryman, Rochelle; Secretary, Geo. E. Turkington, Rochelle; Treasurer, J. T. Miller, Rochelle.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$335 76
" received in 1886, fees (gate and entrance)	.....	1,179 98
" booth rents and permits	.....	214 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	220 00
" paid 1886, in premiums	$1,661 50	.....
" paid 1886, for real estate, buildings and improvements	87 14	.....
" paid 1886, for current expenses other than premiums	159 60	.....
" remaining in the treasury	141 50	.....
Totals	$2,049 74	$2,049 74

PEORIA COUNTY—Dunlap.

Officers—President, Samuel Gorden, Dunlap; Secretary, Thomas Keady, Dunlap; Treasurer, S. K. Yates, Dunlap.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$112 86
" received in 1886, fees (gate and entrance)	.....	778 20
" booth rents and permits	.....	100 00
" received 1886, other sources	.....	130 60
" paid 1886, for real estate, buildings and improvements	$551 77	.....
" paid 1886, for current expenses other than premiums	157 77	.....
" remaining in the treasury	412 12	.....
Totals	$1,121 66	$1,121 66

PEORIA COUNTY—French Grove.

Officers—President, G. S. Weatherwax, Brimfield; Secretary, R. C. Davis, French Grove; Treasurer, R. Pierce, Elmwood.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$16 00
" received in 1886, fees (gate and entrance)	.....	579 50
" booth rents and permits	.....	52 00
" received 1886, other sources—for stall, entrance fees, etc.	.....	98 75
" paid 1886, for real estate, buildings and improvements	$653 00	.....
" paid 1886, for current expenses other than premiums	83 70	.....
" deficit the current year, (1886)	.....	6 29
Totals	$736 70	$736 70

PIATT COUNTY—Monticello.

Officers—President, Jesse W. Warner, Monticello; Secretary, C. A. Tatman, Monticello; Treasurer, H. V. Moore, Monticello.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENBS FOR 1886.

Amount in treasury last report	.....	$2,397 50
" received in 1886, fees (gate and entrance)	.....	3,902 80
" booth rents and permits	.....	786 25
" received 1886, State appropriation	.....	100 00
" paid 1886, in premiums	$2,144 25	.....
" paid 1886, for real estate, buildings and improvements	3,353 10	.....
" remaining in the treasury	1,689 20	.....
Totals	$7,186 55	$7,186 55

PIKE COUNTY—Barry.

Officers—President, U. P. Hart, Barry; Secretary, E. T. Cook, Barry; Treasurer, S. B. Gaines, Barry.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$100 00
" received in 1886, fees (gate and entrance)	.....	1,234 50
" booth rents and permits	.....	221 85
" received 1886, State appropriation	.....	100 00
" paid 1886, in premiums	$622 50	.....
" paid 1886, for real estate, buildings and improvements	333 85	.....
" paid 1886, for current expenses other than premiums	400 00	.....
" remaining in the treasury	300 00	.....
Totals	$1,656 35	$1,656 35

PIKE COUNTY—Pittsfield.

Officers—President, William Yates, Griggsville; Secretary, E. F. Binns, Pittsfield; Treasurer, George Barber, Pittsfield.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$2,377 70
" booth rents and permits	.....	363 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	496 11
" paid 1886, in premiums	$1,674 35	.....
" paid 1886, for real estate, buildings and improvements	180 00	.....
" paid 1886, for current expenses other than premiums	783 87	.....
" paid 1886, on previous indebtedness	644 00	.....
" remaining in the treasury	54 59	.....
Totals	$3,336,81	$3,336 81

POPE COUNTY—Golconda.

Officers—President, J. R. Steagall, Golconda; Secretary, H. Clanahan, Golconda; Treasurer, W. P. Sloan, Golconda.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$195 65
" received in 1886, fees (gate and entrance)	.....	1,384 95
" booth rents and permits	.....	140 00
" received 1886, State appropriation	.....	100 00
" paid 1886, in premiums	$906 95	.....
" paid 1886, for real estate, buildings and improvements	300 00	.....
" paid 1886, for current expenses other than premiums	69 40	.....
" remaining in the treasury	546 25	.....
Totals	$1,822 60	$1,822 60

RANDOLPH COUNTY—Sparta.

Officers—President, J. H. Dickey, Sparta; Secretary, J. D. Watson, Sparta; Treasurer, J. A. McIlvaine, Sparta.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in Treasury last report	.....	$7 40
" received in 1886, fees (gate and entrance)	.....	881 60
" booth rents and permits	.....	99 00
" received 1886, State appropriation	.....	100 00
" paid 1886, in premiums	$362 00	.....
" paid 1886, on current expenses other than premiums	626 00	.....
" paid 1886, on previous indebtedness	100 00	.....
Totals	$1,088 00	$1,088 00

RICHLAND COUNTY—Olney.

Officers—President, S. M. Thomson, Parkersburg; Secretary, W. F. Beck, Olney; Treasurer, R. N. Stotler, Olney.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$1,605 48
" booth rents and permits	.....	202 70
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	420 30
" paid 1886, in premiums	$1,521 00	.....
" paid 1886, for real estate, buildings and improvements	756 17	.....
" remaining in the treasury	51 31	.....
Totals	$2,328 48	$2,328 48

ROCK ISLAND COUNTY—Port Byron.

Officers—President, A. F. Hollister, Port Byron; Secretary, A. Saddoris, Port Byron; Treasurer, Mark Ashdown, Port Byron.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$281 99
" received in 1886, fees (gate and entrance)	.....	752 77
" booth rents and permits	.....	173 30
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	64 40
" paid 1886, in premiums	$586 45	.....
" paid 1886, for current expenses other than premiums	358 24	.....
" remaining in the treasury	427 77	.....
Totals	$1,372 46	$1,372 46

SALINE COUNTY—Eldorado.

Officers—President, J. J. Jones, Eldorado; Secretary, C. M. Westbrook, Eldorado; Treasurer, J. M. Elder, Eldorado.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$2,019 02
" booth rents and permits	.....	792 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	74 50
" paid 1886, in premiums	$1,745 50	.....
" paid 1886, for real estate, buildings and improvements	10 00	.....
" paid 1886, for current expenses other than premiums	658 61	.....
" paid 1886, on previous indebtedness	571 41	.....
Totals	$2,985 52	$2,985 52

SALINE COUNTY—Harrisburg.

Officers—President, R. N. Warfield, Harrisburg; Secretary, W. A. McHaney, Harrisburg; Treasurer, J. M. Baker, Harrisburg.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$1,390 00
" received in 1886, fees (gate and entrance)	.....	957 25
" booth rents and permits	.....	171 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	37 05
" paid 1886, in premiums	$793 40	.....
" paid 1886, for current expenses other than premiums	340 25	.....
" paid 1886, on previous indebtedness	144 58	.....
" remaining in the treasury	1,377 07	.....
Totals	$2,655 30	$2,655 30

SCHUYLER COUNTY—Rushville.

Officers—President, Mark Bogue, Rushville; Secretary, John S. Bagby, Rushville; Treasurer, W. W. Potts, Rushville.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$2,839 90
" booth rents and permits	.....	467 30
" received 1886, State appropriation	.....	100 00
" paid 1886, in premiums	$2,732 00	.....
" paid 1886, for real estate, buildings and improvements	840 72	.....
" paid 1886, for current expenses other than premiums	451 17	.....
" deficit the current year, (1886)	.....	616 69
Totals	$4,023 52	$4,023 52

SHELBY COUNTY—Shelbyville.

Officers—President, John A. Tackett, Shelbyville; Secretary, Geo. A. Roberts, Shelbyville; Treasurer, W. C. Headen, Shelbyville.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$869 40
" received in 1886, fees (gate and entrance)	.....	2,590 11
" booth rents and permits	.....	693 05
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	338 75
" paid 1886, in premiums	$1,765 00	.....
" paid 1886, for real estate, buildings and improvements	1,300 00	.....
" paid 1886, for current expenses other than premiums	411 81	.....
" remaining in the treasury	1,114 50	.....
Totals	$4,591 31	$4,591 31

STARK COUNTY—Toulon.

Officers—President, Henry Colwell, Duncan; Secretary, James Nowlan, Toulon; Treasurer, Samuel Burge, Toulon.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$1,156 95
" received in 1886 fees (gate and entrance)	.....	1,577 65
" booth rents and permits	.....	472 25
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	342 65
" paid 1886, in premiums	$2,081 65	.....
" paid 1886, for current expenses other than premiums	2,698 56	.....
" deficit the current year, (1886)	.....	1,130 71
Totals	$4,780 21	$4,780 21

STARK COUNTY—Wyoming.

Officers—President, W. Scott, Wyoming; Secretary, W. A. Scott, Wyoming; Treasurer, C. P. McCorkle, Wyoming.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$96 79
" received in 1886, fees (gate and entrance)	.....	1,380 80
" booth rents and permits	.....	635 17
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	145 20
" paid 1886, in premiums	$1,899 00	.....
" paid 1886, for real estate, buildings and improvements	150 00	.....
" paid 1886, for current expenses other than premiums	553 17	.....
" paid 1886, on previous indebtedness	139 00	.....
" remaining in the treasury	96 79	.....
" deficit the current year, (1886)	.....	480 00
Totals	$2,837 96	$2,837 96

ST. CLAIR COUNTY—Belleville.

Officers—President, James H. Atkinson, O'Fallon; Secretary, Don Turner, Belleville; Treasurer, M. T. Stookey, Belleville.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENNS FOR 1886.

Amount in treasury last report	.....	$65 48
" received 1886, fees (gate and entrance)	.....	2,845 98
" booth rents and permits	.....	1,258 50
" received 1886, sale shares stock	.....	300 00
" received 1886, other sources	.....	552 32
" paid 1886, in premiums	$3,011 50	.....
" paid 1886, for current expenses other than premiums	2,010 78	.....
Totals	$5,022 28	$5,022 28

TAZEWELL COUNTY—DELAVAN.

OFFICERS—President, J. W. Crabb, Delavan; Secretary, H. M. Gillmore, Delavan; Treasurer, J. B. Phillips, Delavan.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$3,038 95
" booth rents and permits	.....	341 75
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	547 80
" paid 1886, in premiums	$2,074 75	.....
" paid 1886, for real estate, buildings and improvements	100 00	.....
" paid 1886, for current expenses other than premiums	1,574 61	.....
" paid 1886, on previous indebtedness	80 00	.....
" remaining in the treasury	199 14	.....
Totals	$4,028 50	$4,028 50

TAZEWELL COUNTY—MACKINAW.

OFFICERS—President, D. N. Puterbaugh, Lilly; Secretary, R. V. Howe, Mackinaw; Treasurer, John H. Porter, Mackinaw.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$9 09
" received in 1886, fees (gate and entrance)	.....	934 94
" booth rents and permits	.....	164 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	99 70
" paid 1886, in premiums	$559 05	.....
" paid 1886, for real estate, buildings and improvements	659 24	.....
" paid 1886, for current expenses other than premiums	487 82	.....
" paid 1886, on previous indebtedness	91 15	.....
" remaining in the treasury	20 47	.....
" deficit the current year, (1886)	.....	510 00
Totals	$1,817 73	$1,817 73

UNION COUNTY—ANNA.

OFFICERS—President, Robert Reischauer, Jonesboro; Secretary, M. V. Eaves, Anna; Treasurer, R. B. Stinson, Anna.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received 1886, fees (gate and entrance)	.....	$1,892 85
" booth rents and permits	.....	480 50
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	499 56
" paid 1886, in premiums	$1,695 10	.....
" paid 1886, for real estate, buildings and improvements	100 00	.....
" paid 1886, for current expenses other than premiums	756 03	.....
" paid 1886, on previous indebtedness	427 78	.....
Totals	$2,972 91	$2,972 91

UNION COUNTY—Jonesboro.

Officers—President, J. W. Fuller, Anna; Secretary, Thomas J. Watkins, Jonesboro; Treasurer, L. C. Oliver, Jonesboro.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$1,705 00
" booth rents and permits	.....	445 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	10 00
" paid 1886, in premiums	$1,485 50	.....
" paid 1886, for real estate, buildings and improvements	125 00	.....
" paid 1886, for current expenses other than premiums	524 50	.....
" remaining in the treasury	125 00	.....
Totals	$2,260 00	$2,260 00

VERMILION COUNTY—Catlin.

Officers—President, Henry Davis, Fairmount; Secretary, W. T. Squires, Catlin; Treasurer, A. Jones, Catlin.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$679 56
" received in 1886, fees (gate and entrance)	.....	1,248 85
" booth rents and permits	.....	228 25
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	874 88
" paid 1886, in premiums	$1,579 50	.....
" paid 1886, for current expenses other than premiums	1,133 71	.....
" remaining in the treasury	418 33	.....
Totals	$3,131 54	$3,131 54

VERMILION COUNTY -Danville.

Officers--President, W. J. Moore, Danville; Secretary, V. L. Hawes, Danville; Treasurer, Chas. Myers, Danville.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$3,000 00
" booth rents and permits	.....	600 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	1,427 00
" paid 1886, in premiums	$3,602 25	.....
" paid 1886, for current expenses other than premiums	1,800 00	.....
" paid 1886, on previous indebtedness	246 00	.....
" deficit the current year, (1886)	.....	521 25
Totals	$5,648 25	$5,648 25

VERMILION COUNTY—Hoopeston.

Officers—President, J. A. Cunningham, Hoopeston; Secretary, Dale Wallace, Hoopeston; Treasurer, William Moore, Hoopeston.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$10 86
" received in 1886, fees (gate and entrance)	.....	3,524 63
" booth rents and permits	.....	1,019 80
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	1 00
" paid 1886, in premiums	$3,556 90	.....
" paid 1886, for real estate, buildings and improvements	599 30	.....
" paid 1886, for current expenses other than premiums	498 61	.....
" remaining in the treasury	1 48	.....
Totals	$4,656 29	$4,656 29

WARREN COUNTY—Monmouth.

Officers—President, J. T. Reichard, Monmouth; Secretary, Geo. C. Rankin, Monmouth; Treasurer, W. B. Young, Monmouth.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$2,975 50
" booth rents and permits	.....	252 00
" received 1886, sale shares stock	.....	50 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	43 55
" paid 1886, in premiums	$2,855 75	.....
" paid 1886, for real estate, buildings and improvements	328 39	.....
" paid 1886, for current expenses other than premiums	1,136 66	.....
" deficit the current year, (1886)	.....	899 75
Totals	$4,320 80	$4,320 80

WHITE COUNTY—Carmi.

Officers—President, Elois Stinnett, Carmi; Secretary, Frank E. Pomeroy, Carmi; Treasurer, W. H. Phipps, Carmi.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$194 63
" received in 1886, fees (gate and entrance)	.....	3,789 05
" booth rents and permits	.....	978 62
" received 1886, other sources	.....	124 00
" paid 1886, in premiums	$2,789 15	.....
" paid 1886, for real estate, buildings and improvements	214 94	.....
" paid 1886, for current expenses other than premiums	1,378 77	.....
" paid 1886, on previous indebtedness	650 00	.....
" remaining in the treasury	123 44	.....
Totals	$5,086 30	$5,086 30

WHITESIDE COUNTY—ALBANY.

OFFICERS—President, J. B. Kearns, Garden Plain; Secretary, D. S. Efner, Albany; Treasurer, E. H. Nevitt, Albany.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in Treasury last report	.....	65
" received in 1886, fees (gate and entrance)	.....	$1,214 40
" booth rents and permits	.....	147 05
" received 1886, sale shares stock	.....	7 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	186 25
" paid 1886, in premiums	$781 25	.....
" paid 1886, for real estate, buildings and improvements	187 62	.....
" paid 1886, on current expenses other than premiums	661 13	.....
" remaining in the treasury	25 35	.....
Totals	$1,655 35	$1,655 35

WHITESIDE COUNTY—MORRISON.

OFFICERS—President, C. D. Parker, Fulton; Secretary, J. N. Baird, Morrison; Treasurer, G. H. Brown, Morrison.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$2,850 65
" booth rents and permits	.....	445 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	735 11
" paid 1886, in premiums	$1,679 75	.....
" paid 1886, for real estate, buildings and improvements	335 00	.....
" paid 1886, for current expenses other than premiums	1,693 43	.....
" paid 1886, on previous indebtedness	422 53	.....
" remaining in the treasury	05	.....
Totals	$4,130 76	$4,130 76

WILLIAMSON COUNTY—MARION.

OFFICERS—President, Chas. H. Denison, Marion; Secretary, W. H. Eubanks, Marion; Treasurer, Chas. M. Kearn, Marion.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	.....
" received in 1886, fees (gate and entrance)	.....	$2,392 45
" booth rents and permits	.....	385 15
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	50 00
" paid 1886, in premiums	$1,969 60	.....
" paid 1886, for real estate, buildings and improvements	90 25	.....
" paid 1886, for current expenses other than premiums	557 75	.....
" paid 1886, on previous indebtedness	485 60	.....
" remaining in the treasury	9 40	.....
" deficit the current year, (1886)	.....	185 00
Totals	$3,112 60	$3,112 60

WINNEBAGO COUNTY—Rockford.

Officers—President, S. P. Crawford, Rockford; Secretary, C. C. Jones, Rockford; Treasurer, George L. Woodruff, Rockford.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$1,534 97
" received in 1886, fees (gate and entrance)	.....	6,566 00
" booth rents and permits	.....	675 65
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	266 54
" paid 1886, in premiums	$3,266 25	.....
" paid 1886, for real estate, buildings and improvements	861 12	.....
" paid 1886, for current expenses other than premiums	2,689 20	.....
" remaining in the treasury	2,366 59	.....
Totals	$9,143 16	$9,143 16

WOODFORD COUNTY—El Paso.

Officers—President, Ed Hodgson, El Paso; Secretary, Walter Bennett, El Paso; Treasurer, F. T. Waite, El Paso.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in the treasury last report	.....	$104 76
" received in 1886, fees (gate and entrance)	.....	2,909 70
" booth rents and permits	.....	231 00
" received 1886, State appropriation	.....	100 00
" received 1886, other sources	.....	273 65
" paid 1886, in premiums	$2,161 25	.....
" paid 1886, for real estate, buildings and improvements	300 00	.....
" paid 1886, for current expenses other than premiums	1,076 63	.....
" remaining in the treasury	81 23	.....
Totals	$3,619 11	$3,619 11

ILLINOIS STATE FAIR.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount in treasury last report	.....	$23,876 27
" received in 1886, fees (gate and entrance)	.....	23,987 75
" booth rents and permits	.....	4,600 00
" received 1886, stall and pen fees	.....	1,598 00
" received 1886, State appropriation	.....	4,000 00
" received 1886, other sources	.....	2,070 79
" paid 1886, in premiums	$24,651 08	.....
" paid 1886, for current expenses other than premiums	14,785 14	.....
" paid 1886, on account Fat Stock Show	1,950 62	.....
" remaining in the treasury	18,745 97	.....
Totals	$60,132 81	$60,132 81

FAT STOCK, HORSE AND DAIRY SHOW.

FINANCIAL EXHIBIT FOR 1886.

RECEIPTS AND DISBURSEMENTS FOR 1886.

Amount deficit last report	$4,534 22	.....
" received in 1886, fees (gate and entrance)	.....	$13,734 75
" booth rents and permits	.....	925 00
" received 1886, subscriptions	.....	7,675 00
" received 1886, State appropriation	.....	1,000 00
" received 1886, other sources—for special premiums, etc	.....	2,350 00
" paid 1886, in premiums	$10,593 80	.....
" paid 1886, on special premiums	2,225 00	.....
" paid 1886, for current expenses other than premiums	14,691 57	.....
" remaining in the treasury—Short-Horn specials unpaid	125 00	.....
" deficit the current year, (1886)	.....	6,484 84
Totals	$32,169 59	$32,169 59

ILLINOIS STATE FAIR.

REPORT OF EXHIBITION FOR 1886.

Departments.	Number of entries in each department..	Amount of premiums offered to each department.....	Amount of premiums paid to each department.....
A—Cattle	473	$4,220 00	$3,950 00
B—Horses and Equestrianism	1,459	6,291 00	5,956 00
B—Mules and Asses	16	460 00	220 00
B—Speed	101	8,540 00	6,060 50
C—Sheep	395	1,980 00	1,595 00
D—Hogs	393	2,065 00	1,845 00
E—Poultry	499	872 00	664 00
F—Mechanical Art—Stoves, castings, worked metals, household furniture, manufactures of various kinds, etc., sewing and knitting machines, etc	16	45 00	35 00
G—Farm products—Grain, seeds, vegetables, bread, cakes, etc	471	798 00	731 00
H—Horticulture and Floriculture—Trees, fruits, flowers, plants, canned and preserved fruits, jellies, pickles, etc	292	1,315 00	1,221 00
I—Fine Arts—Sculpture, painting, drawing, etc	243	557 00	511 00
K—Textile Fabrics—Mill fabrics, household fabrics, needle work	1,023	655 00	604 00
L—Education and Natural History—Botany, mineralogy, conchology, entomology, icthyology, herpatology, musical instruments, etc	455	1,323 00	958 00
M—Agricultural Implements—Engines, pumps, mills, machines, vehicles, grain harvesters, haying machinery, planters, plows, etc	533	.....	.....
N—Dairy Products	38	120 00	115 00
Miscellaneous—For articles not proper to be classified in any of the above departments—ribbons, premiums 1885	.....	.....	185 58
Totals	6,407	$29,241 00	$24,651 08

FAT STOCK, HORSE AND DAIRY SHOW.

REPORT OF EXHIBITION FOR 1886.

Departments.	Number of entries in each department..	Amount of premiums offered to each department.....	Amount of premiums paid to each department.....
A—Cattle	409	$5,145 00	$2,930 00
B—Horses and Equestrianism	347	5,925 00	2,630 00
C—Sheep	207	1,950 00	1,890 00
D—Hogs	228	1,480 00	1,225 00
N—Dairy Products	225	2,750 00	1,415 00
Miscellaneous—For articles not proper to be classified in any of the above departments—ribbons, premiums 1885, etc	.....	.....	503 80
Totals	1,416	$17,250 00	$10,593 80

CHARLES F. MILLS,
Secretary.

JOHN LANDRIGAN,
President.

ILLINOIS AGRICULTURAL FAIRS—1886.

No. of Entries, Amount of Premiums Offered, and Amount of Premiums Paid by each Association.

LIVE STOCK EXHIBIT.

Counties.	Location of Fair.	Cattle.			Horses & Equestrianism.			Mules and Asses.			Speed.			Sheep.		
		No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid
Adams	Camp Point	179	$947 00	$706 00	422	$826 00	$766 00	31	$102 00	$87 00	30	$445 00	$445 00	94	$162 00	162 00
Alexander																
Bond																
Boone	Belvidere	61	300 00	147 00	84	237 00	153 00				22	675 00	572 00	27	72 00	44 00
Brown	Mt. Sterling	105	280 00	244 00	421	581 00	561 00	55	108 00	93 50	60	720 00	645 00	75	147 00	128 00
Bureau	Princeton	57	558 00	541 00	201	692 00	541 00	4	12 00	12 00	31	755 00	951 00	52	136 00	119 00
Calhoun																
Carroll																
Cass	Virginia		104 00		136	467 50	212 20				12	650 00	200 00	1	5 00	2 50
Champaign	Champaign	81	471 00	398 00	24	636 00	556 00	6	44 00	27 00	27	1,850 00	1,625 00	136	144 00	139 00
Christian	Pana	136	403 00	263 00	179	272 00	233 50	8	21 00	11 00	52	780 00	590 00	40	71 00	47 50
Christian	Assumption	41	138 25	23 00	196	200 00	106 00	3	10 00	7 00	32	130 00	130 00	12	12 00	12 00
Clark																
Clay																
Clinton																
Coles	Charleston	77	1,107 00	573 00	315	733 50	659 50	3	55 00	20 00	12	260 00	260 00	45	114 00	109 00
Cook																
Crawford	Robinson	33	229 00	216 00	51	271 00	206 00		41 00		11	305 00	290 00	44	133 00	112 00
Cumberland	Toledo	66	330 00	220 50	154	424 50	375 00	15	58 00	39 00	35	840 00	680 00	12	80 00	35 00
DeKalb	Sycamore	92	530 00	257 00	148	392 00	255 00				15	425 00	425 00	24	90 00	63 00
DeWitt	Clinton	100	628 00	291 70	275	366 00	205 90	13	48 00	23 25	12	500 00	210 00	25	81 00	33 75
DeWitt	Farmer City	92	625 00	459 00	316	675 00	656 00	8	34 00	25 00	51	1,145 00	1,057 50	99	98 00	94 00
Douglas																
DuPage	Wheaton	33	384 0	83 00	44	428 00	134 00		18 00		13	250 00	170 00	14	34 00	20 00
Edgar	Paris	86	1,330 00	770 25	361	600 00	590 00	13	58 00	58 00	8	200 00	200 00	40	90 00	67 00
Edwards	Albion	61	241 50	160 50	161	379 50	343 50	17	31 00	28 00	18	282 50	250 00	28	67 50	51 50
Effingham																
Fayette	Vandalia	72	105 00	51 00	83	105 00	77 50	2	18 75	5 00	18	120 00	105 00	30	27 00	20 50
Ford	Piper City	30	125 00	59 00	87	200 00	75 00	8	20 00	10 00				9	50 00	4 50

Franklin	Benton	33	287 50	105 50	122	590 00	337 00	14	79 00	76 00	51	900 00	863 00	6	16 00	15 00
Fulton	Avon	133	535 00	286 00	246	388 00	264 00				20	610 00	560 00	80	93 00	82 00
Fulton	Canton	49	527 00	135 00	250	340 00	324 50					923 00	700 00	40	92 00	66 00
Gallatin	Shawneetown	67	418 00	375 50	138	514 00	358 00	25	92 00	65 00	51	1,675 00	1,287 50	30	82 00	60 50
Greene	Carrollton	37	310 00	100 00	291	596 00	529 00	25	56 00	56 00	39	670 00	650 00	34	60 00	40 00
Grundy																
Hamilton	McLeansboro	43	115 00	115 00	154	240 00	240 00	14	38 00	38 00	30	433 00	433 00	55	114 00	114 00
Hancock	Warsaw	123	471 50	288 50	190	557 00	257 25	12	38 00	26 00	22	417 50	383 00	54	54 00	43 00
Hancock	Carthage	142	645 00	471 50	541	1,233 00	952 00	25	93 00	70 00	33	903 50	888 50	66	156 00	156 00
Hardin	Elizabethtown	15	126 50	41 50	63	243 00	214 50	16	64 50	46 50		525 00	409 50		29 00	
Henderson	Biggsville	28	531 00	66 50	102	562 00	210 50		29 00		5	520 00	130 00	17	47 50	19 00
Henry	Kewanee	46	594 00	353 00	142	547 00	453 00				49	1,550 00	1,400 00	37	105 00	95 00
Iroquois	Watseka	48	450 00	331 00	97	320 00	280 00	13	60 00	41 00				18	150 00	48 00
Jackson	Carbondale	36	548 00	162 00	102	927 00	338 00	21	80 00	76 00	25	810 00	740 00	22	79 00	43 00
Jasper	Newton	67	488 00	175 00	127	440 00	267 00	10	60 00	36 00	35	488 00	295 00	31	118 00	59 50
Jefferson	Mt. Vernon	44	307 00	173 00	124	322 00	264 00	23	104 00	56 00	31	913 00	763 00	31	92 00	56 00
Jersey	Jerseyville	71	329 00	286 00	511	1,254 00	1,244 00	11	60 00	56 00	19	655 00	655 00	59	120 00	116 00
Jo Daviess	Warren	46	123 00	109 80	81	192 00	138 00				12	550 00	550 00	19	48 00	41 40
Jo Daviess	Galena	60	385 00	197 50	62	198 50	153 00				19	605 00	515 00	28	60 00	38 00
Johnson																
Kane																
Kankakee	Kankakee	62	648 00	274 50	214	609 00	395 10	4	38 00	9 90	29	300 00	234 00	17	80 00	26 10
Kendall	Yorkville	47	668 00	203 50	119	358 50	178 25		24 00		21	660 00	660 00	27	58 50	28 50
Knox	Knoxville	102	574 00	323 00	155	1,236 00	1,075 00	5	65 00	12 00	30	300 00	300 00	52	92 00	60 00
Lake	Libertyville	76	365 00	96 00	68	190 00	144 00				32	500 00	500 00	49	60 00	48 00
Lake	Waukegan	83	1,193 00	329 50	140	416 00	338 50				22	1,200 00	685 00	67	261 00	182 50
LaSalle	Mendota	56	526 00	218 00	162	837 00	521 00				37	1,100 00	950 00	42	153 00	102 00
Lawrence																
Lee																
Livingston	Fairbury	141	1,398 00	949 00	353	1,347 00	1,058 00	7	33 00	24 00	23	625 00	582 00	53	163 00	130 00
Logan	Atlanta	142	577 00	439 00	257	705 50	568 50				25	74 00	74 00	80	72 00	72 00
Logan	Lincoln	17	487 00	174 00	467	957 50	758 50	10	68 00	26 50	78	1,700 00	1,700 00	12	94 50	41 50
Macon																
Macoupin	Carlinville	16	108 00	64 80	243	538 00	322 80	9	55 00	33 00	50	730 00	438 00	29	76 00	45 60
Madison																
Marion	Salem	34	152 00	87 00	156	197 50	158 50	20	42 00	27 50	44	307 00	154 50	8	46 00	16 00
Marshall	Wenona	62	904 00	419 00	222	897 00	599 00	4	78 00	20 00	30	680 00	680 00	19	159 00	94 00
Mason																
Massac	Metropolis	18	72 00	36 00	68	96 00	96 00	20	40 00	34 00	24	124 00	100 50		11 00	
McDonough																
McHenry	Marengo	67	273 00	120 00	157	341 00	200 00				28	508 00	343 50	17	72 00	33 00
McHenry	Woodstock	128	550 00	240 00	198	450 00	225 00				75	1,250 00	1,044 55	52	182 00	119 00
McLean	Bloomington	18	200 00	49 50	122	236 00	152 50				20	19 50	11 00			
Menard	Petersburg	35	209 00	90 50	234	610 00	567 00	5	30 00	10 50	47	532 90	532 90	26	60 00	31 00
Mercer	Aledo	89	893 00	516 00	186	881 00	559 00	5	50 00	21 00	34	695 00	695 00	73	123 00	99 00
Monroe																
Montgomery	Hillsboro	27	274 00	137 00	100	304 00	218 00	12	67 00	39 00	16	295 00	221 00	10	49 00	17 00
Morgan																
Moultrie																
Ogle	Oregon	57	470 50	188 00	151	400 00	270 00	3	18 50	12 50	66	1,150 00	847 50	9	81 00	18 00
Ogle	Rochelle	75	436 00	293 00	158	346 00	297 00		35 00		27	609 00	609 00	51	97 00	57 00
Peoria	Dunlap	52			110									11		

Exhibit Illinois Agricultural Fairs, 1886—Continued.

Counties.	Location of Fair.	Cattle.			Horses & Equestrianism.			Mules and Asses.			Speed.			Sheep.		
		No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid
Peoria	French Grove	20			150			2						5		
Perry																
Piatt	Monticello	40	$614 00	$287 00	133	$495 00	$387 50	11	$27 50	$20 00	53	$1,180 00	$932 00	33	$60 00	$55 00
Pike	Pittsfield	34	286 00	148 00	201	413 00	377 00	8	64 00	49 00	40	715 00	535 00	44	92 00	82 00
Pike	Barry	36	54 00	39 00	99	94 50	69 50	8	12 00	7 00	25	459 00	390 00	5		
Pope	Golconda	27	99 50	88 50	99	207 00	205 00	32	102 00	92 00	37	144 00	141 00	28	57 00	57 00
Pulaski																
Putnam																
Randolph	Sparta	40	242 00	40 00	100	276 00	135 00	10	45 00	16 00		100 00		25	74 00	20 00
Richland	Olney	81	952 50	227 50	146	274 50	237 50	5	52 00	16 00	24	670 00	560 00	52	84 00	62 00
Rock Island	Port Byron	50	245 00	100 00	60	140 00	80 00	3	19 00	3 00	20	265 00	271 00	4	14 50	6 00
Saline	Eldorado	36	312 50	130 00	112	458 00	359 50	33	153 00	83 50	37	615 00	615 00	31	112 00	60 00
Saline	Harrisburg	27	216 00	94 05	49	246 00	156 60	10	55 00	31 95	43	331 00	275 40	14	64 00	33 75
Sangamon																
Schuyler	Rushville	96	616 00	385 50	204	580 50	433 50	8	42 00	16 50	37	975 00	855 00	35	108 50	91 00
Scott																
Shelby	Shelbyville	72	455 00	376 00	183	626 00	563 00	9	53 00	30 00	61	442 00	212 00	55	132 00	125 00
Stark	Toulon	56	457 00	238 00	124	649 00	573 00				4	115 00	115 00	57	153 00	136 00
Stark	Wyoming	61	370 00	312 00	117	432 00	432 00				42	1,050 00	650 00	39	126 00	99 00
St. Clair	Belleville	118	807 00	366 00	163	511 00	408 00	22	58 00	48 00	49	1,196 00	1,099 00	58	159 00	108 00
Stephenson																
Tazewell	Delavan	76	583 00	381 00	318	603 50	511 25	5	42 00	15 00	27	450 00	450 00	69	103 00	95 00
Tazewell	Mackinaw	82	215 00	62 50	329	374 00	213 25	10	26 50	17 00	6	9 00	6 00	47	51 50	32 00
Union	Anna	53	369 00	222 00	83	561 50	257 50	23	105 00	106 50	43	1,174 00	621 00	21	60 00	43 50
Union	Jonesboro	78	248 50	239 50	105	299 00	275 00	33	169 50	121 00				23	83 00	54 50
Vermilion	Catlin	37	166 00	161 00	218	603 00	563 00	4	45 00	13 00	36	695 00	545 00	47	105 00	92 00
Vermilion	Danville	64	1,234 00	1,001 00	177	676 00	598 00	4	48 00	21 00	61	1,500 00	1,000 00	33	96 00	95 00
Vermilion	Hoopeston	66	1,064 00	754 00	382	993 00	911 00	19	52 00	47 00	40	713 00	623 00	42	64 00	64 00
Wabash																
Warren	Monmouth	41	382 50	188 50	165	862 50	603 50				50	1,350 00	1,095 00	42	99 00	87 00
Washington																
Wayne																
White	Carmi	78	844 00	367 00	156	606 00	446 00	15	44 50	43 00	46	1,134 00	1,119 00	47	99 00	93 00
Whiteside	Albany	45	283 00	114 00	76	255 00	136 00				22	305 00	260 00	19	51 00	37 00

Whiteside ...	Morrison	130	421 00	301 00	156	204 00	188 00	....	.....	.....	37	560 00	560 00	.....	.....	.....
Will	.....	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....
Williamson .	Marion	57	373 00	238 00	105	572 00	465 05	36	148 00	113 00	33	700 00	700 00	35	81 50	51 50
Winnebago ..	Rockford	164	635 00	465 00	209	641 00	477 00	....	.....	.....	41	1,140 00	1,140 00	60	95 00	78 00
Woodford ...	El Paso.....	75	747 00	325 50	268	565 50	383 50	....	.....	.....	18	600 00	550 00	40	126 00	97 00
State Fair....	Chicago.....	413	4,220 00	3,950 00	1,459	6,391 00	5,956 00	16	460 00	220 00	101	8,546 00	6,060 50	395	1,980 00	1,595 00
Fat St'k Sh'w	Chicago.	409	5,145 00	2,930 00	347	5,925 00	2,630 00	....	.....	.....	.....	.....	.....	207	1,950 00	1,890 00
Totals. ..	.....	6,616	$49,660 25	$29,014 10	17,714	$55,327 00	$41,262 65	828	$3,989 75	$2,487 60	2,691	$63,966 90	$52,770 35	3,750	$11,399 00	$8,916 10

Exhibit Illinois Agricultural Fairs, 1886—Continued.

Counties.	Location of Fair.	Hogs.			Poultry.			Mechanic Arts.			Farm Products.			Horticulture and Floriculture.		
		No. of entries...	Amount of premiums offered	Amount of premiums paid...	No. of entries...	Amount of premiums offered	Amount of premiums paid...	No. of entries...	Amount of premiums offered	Amount of premiums paid...	No. of entries...	Amount of premiums offered	Amount of premiums paid...	No. of entries...	Amount of premiums offered	Amount of premiums paid...
Adams	Camp Point	180	$290 00	$270 00	96	$75 00	$55 25	26	$59 50	$38 50	530	$221 55	$205 25	935	$296 25	$289 25
Alexander																
Bond																
Boone	Beividere	39	187 00	83 00	66	101 00	35 50	22	43 00	30 00	68	79 50	22 50	57	86 00	61 00
Brown	Mt. Sterling	137	320 00	293 00	60	51 50	29 50	80	82 75	52 25	210	115 50	91 75	580	141 00	133 55
Bureau	Princeton	57	168 00	164 00	230	158 75	142 50	9	61 50	12 00	231	144 00	166 75	133	147 00	135 50
Calhoun																
Carroll																
Cass	Virginia	11	25 00	12 50	33	30 00	9 00				69	92 50	32 75	251	111 00	45 25
Champaign	Champaign	161	125 00	125 00	187	97 50	71 00	331	109 00	100 00	303	196 00	161 00	735	134 00	114 00
Christian	Pana	33	114 00	57 00	104	82 50	58 75	58	28 50	21 00	148	130 00	63 00	196	171 00	84 50
Christian	Assumption				10	12 70	2 50				8	9 00	3 25	29	23 00	6 00
Clark																
Clay																
Clinton																
Coles	Charleston	78	293 00	275 50	181	251 50	162 00	13	43 50	39 50	325	160 00	137 00	714	249 50	222 50
Cook																
Crawford	Robinson	27	155 00	80 00	14	25 00	12 00	10	139 00	10 00	205	85 50	80 00	409	144 00	130 00
Cumberland	Toledo	39	257 00	97 50	40	117 00	52 00		35 00		97	105 00	51 00	88	48 00	24 50
DeKalb	Sycamore	56	135 00	83 00	92	82 00	61 00	12	18 00	16 00	142	55 00	41 00	22	34 00	20 00
DeWitt	Clinton	66	167 00	91 50	66	49 00	19 35	15	90 00	21 75	140	58 00	26 50	162	75 00	34 50
DeWitt	Farmer City	56	293 00	125 00	61	75 50	38 00	1			290	101 00	72 50	848	194 00	169 50
Douglas																
DuPage	Wheaton	13	76 00	30 00	111	113 00	62 25				64	95 00	42 50			
Edgar	Paris	103	611 00	433 00	217	189 50	173 50				312	126 00	119 00	1,031	425 00	408 00
Edwards	Albion	45	178 50	127 00	37	57 00	25 50	89	135 00	115 00	84	52 00	44 50	34	49 00	30 50
Effingham																
Fayette	Vandalia	11	45 00	7 00	20	8 25	4 75	5	8 00	6 00	187	89 00	44 00	18	11 25	10 50
Ford	Piper City	11	40 00	15 00	16	30 00	14 25	11			44	65 00	65 00	35		
Franklin	Benton	43	72 00	52 00	67	52 00	43 00				345	91 50	57 50	23	14 25	5 25
Fulton	Avon	108	208 00	139 50	33	58 50	16 50	5			184	102 00	82 25	633	125 75	114 00
Fulton	Canton	20	214 00	82 00	41	72 50	18 50		198 50	84 00	226	163 50	118 00	427	206 50	166 50
Gallatin	Shawneetown	44	174 00	120 00	34	46 50	22 50				180	133 00	90 75	242	81 00	79 50
Greene	Carrollton	20	93 00	47 00	61	29 50	27 50	22	41 50	7 00	185	66 50	58 50	344	102 50	82 50
Grundy																

Hamilton	McLeansboro	33	80 00	80 00				51	46 85	46 85	110	77 55	77 55	50	50 60	50 60
Hancock	Warsaw	63	109 00	49 00	46	59 75	22 00				347	165 00	118 50	190	166 50	97 50
Hancock	Carthage	190	343 00	335 00	108	102 50	55 00	10			425	185 25	149 25	815	187 00	166 25
Hardin	Elizabethtown		59 00		4	26 25	4 00				58	47 65	43 50	23	19 50	15 50
Henderson	Biggsville	49	152 00	63 00	42	38 00	13 75				132	58 25	25 00	561	90 00	52 25
Henry	Kewanee	48	192 00	112 00	124	154 00	87 00	35	74 00	63 00	125	87 00	78 00	266	106 00	83 00
Iroquois	Watseka	52	280 00	50 00	118	90 00	90 00	42		18 00	64	80 00	35 00	314	200 00	200 00
Jackson	Carbondale	11	140 00	62 00	52	105 00	59 50	1	39 00	3 00	196	143 50	113 75			
Jasper	Newton	54	337 00	121 00	61	54 00	24 50				235	44 00	30 50	251	94 00	70 50
Jefferson	Mt. Vernon	44	85 00	62 00	70	66 00	44 50	14	45 50	28 00	156	98 00	84 50	68	42 75	32 25
Jersey	Jerseyville	61	232 00	204 00	101	113 00	88 00	13	50 00	50 00	248	158 00	141 00	541	270 50	245 50
Jo Daviess	Galena	43	126 00	67 50	37	36 00	26 65	10	58 00	40 00	192	68 00	58 05	78	128 50	120 00
Jo Daviess	Warren	9	31 50	19 50	27	45 50	23 00	8	24 00	4 00	51	25 25	21 25	30	46 00	36 75
Johnson																
Kane																
Kankakee	Kankakee	39	166 00	48 60	119	89 00	57 60	15	40 00	3 60	206	162 00	106 65	28	95 00	51 30
Kendall	Yorkville	97	336 00	100 50	79	113 50	45 25	9	25 00	6 25	127	65 00	32 25	67	35 00	27 25
Knox	Knoxville	12	77 00	60 00	96	82 00	57 00	300	25 00	25 00	400	100 00	100 00	500	200 00	100 00
Lake	Libertyville	33	96 00	25 00	40	56 00	30 00				123	77 00	60 00	130	72 50	50 00
Lake	Waukegan	42	270 00	140 00	256	243 50	115 25				388	159 00	153 00	217	64 25	63 25
LaSalle	Mendota	60	211 00	155 00	96	105 00	65 50	21	82 00	36 00	237	156 00	112 00	203	106 50	183 00
Lawrence																
Lee																
Livingston	Fairbury	46	160 00	138 00	90	84 75	41 75	23	161 00	108 00	70	41 50	37 00	310	219 00	198 75
Logan	Atlanta	83	152 00	126 00	35	40 50	25 00	74	65 00	38 00	442	120 50	107 50	671	108 50	96 25
Logan	Lincoln	57	115 00	58 50	68	72 25	22 75				114	67 25	46 25	54	36 60	23 50
Macon																
Maconpin	Carlinville	31	150 60	86 00	11	60 00	12 00	10	42 00	25 20	86	75 00	45 00			
Madison																
Marion	Salem	6	40 00	10 00	19	24 00	8 75	1	50	50	109	22 85	22 80	217	48 25	31 20
Marshall	Wenona	79	202 00	138 00	59	82 00	37 00	17	74 00	32 00	162	147 50	88 50	476	298 25	232 25
Mason																
Massac	Metropolis	7	25 50	17 00	35	19 00	16 00	6	145 50	6 00	36	74 00	46 75	21	40 50	17 00
McDonough																
McHenry	Marengo	32	138 00	66 00	71	44 50	24 50	13	19 00	7 00	303	94 25	81 25	42	54 50	28 75
McHenry	Woodstock	49	150 00	74 00	123	100 00	37 50	250			514	164 00	88 00	290	200 00	97 00
McLean	Bloomington	11	52 00	12 00	25	28 00	10 50				155	63 50	42 75	256	54 75	42 50
Menard	Petersburg	47	144 00	73 00	46	56 00	23 00	12	56 00	4 00	42	24 00	19 00	7	47 00	5 00
Mercer	Aledo	75	304 00	214 00	83	78 00	37 50	16	74 00	37 00	272	147 00	132 50	784	280 50	231 00
Monroe																
Montgomery	Hillsboro	16	105 00	55 00	44	61 00	33 00	11	215 00	43 00	88	78 00	54 00	46	94 00	76 00
Morgan																
Moultrie																
Ogle	Oregon	26	68 00	40 00	63	60 50	37 00	43	40 00	11 00	167	59 00	42 75	39	80 25	60 50
Ogle	Rochelle	47	147 00	94 00	59	39 00	22 50	3	4 50	1 50	158	72 00	49 50	341	88 50	84 50
Peoria	Dunlap	54			31						162			236		
Peoria	French Grove	15			21			35			82			200		
Perry																
Piatt	Monticello	80	313 00	224 00	50	68 25	26 25	26	18 00	12 00	53	52 00	29 00	135	68 00	50 50
Pike	Pittsfield	59	140 00	111 85	28	40 00	23 00				18	22 00	21 00	35	60 50	51 00

Exhibit Illinois Agricultural Fairs, 1886—Continued.

Counties.	Location of Fair.	Hogs.			Poultry.			Mechanic Arts.			Farm Products.			Horticulture and Floriculture.		
		No. of entries...	Amount of premiums offered.	Amount of premiums paid...	No. of entries...	Amount of premiums offered.	Amount of premiums paid...	No. of entries...	Amount of premiums offered.	Amount of premiums paid...	No. of entries...	Amount of premiums offered.	Amount of premiums paid...	No. of entries...	Amount of premiums offered.	Amount of premiums paid...
Pike	Barry	27	$27 00	$27 00	48	$19 00	$16 00	1	$3 00	$3 00	42	$8 25	$8 25	22	$5 00	$5 00
Pope	Golconda	14	60 00	47 50	27	15 00	14 00	15	91 00	34 00	89	78 25	67 50	38	37 00	28 50
Pulaski	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Putnam	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Randolph	Sparta	15	153 00	26 00	26	20 00	10 00	22	62 00	20 00	145	62 00	20 00	233	62 00	20 00
Richland	Olney	30	99 00	48 00	55	129 00	36 50	4	200 00	2 00	182	190 00	60 50	392	480 00	124 50
Rock Island	Port Byron	17	158 00	32 00	35	40 00	15 00	.....	.....	.....	75	83 00	30 00	200	60 00	15 45
Saline	Eldorado	63	176 00	118 00	34	56 50	32 00	14	77 00	46 00	65	93 00	55 50	197	149 50	124 50
Saline	Harrisburg	5	94 50	22 95	21	31 50	13 05	9	63 00	27 00	7	22 50	7 65	59	44 75	31 50
Sangamon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Schuyler	Rushville	60	187 50	174 50	26	58 50	16 50	20	40 50	12 75	178	112 50	76 75	482	127 50	104 50
Scott	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shelby	Shelbyville	40	105 00	96 00	.....	.....	.....	.....	.....	.....	180	60 00	54 00	362	90 00	85 00
Stark	Toulon	58	178 00	104 00	62	73 50	34 50	5	19 00	12 00	391	167 00	157 75	954	189 25	170 75
Stark	Wyoming	42	99 00	83 00	42	70 00	21 30	12	.....	.....	135	116 00	110 00	41	74 00	74 00
St. Clair	Belleville	100	182 00	149 00	90	458 50	160 50	56	85 00	25 00	391	227 00	163 75	487	174 75	120 25
Stephenson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tazewell	Delavan	119	288 50	165 00	42	92 25	24 50	116	152 00	77 00	271	129 00	99 00	582	144 25	89 50
Tazewell	Mackinaw	93	91 75	51 50	42	18 85	5 90	29	5 00	3 00	240	47 70	36 50	325	45 85	41 15
Union	Anna	37	114 00	84 00	44	53 55	20 25	.....	.....	.....	116	224 50	114 30	260	55 85	35 00
Union	Jonesboro	43	99 00	89 00	75	40 50	28 00	35	160 00	126 50	144	160 50	157 25	163	176 25	153 25
Vermilion	Catlin	51	108 00	90 00	37	55 50	25 00	1	.....	.....	349	100 50	75 00	.....	.....	.....
Vermilion	Danville	48	200 00	178 00	202	550 50	294 00	18	88 00	73 00	46	78 00	49 00	203	179 00	139 25
Vermilion	Hoopeston	63	272 00	198 00	78	109 00	109 00	47	82 00	82 00	271	106 00	106 00	472	97 00	97 00
Wabash	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warren	Monmouth	53	189 00	181 00	73	58 50	26 00	.....	.....	.....	248	123 00	116 50	790	198 75	166 50
Washington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wayne	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
White	Carmi	37	198 00	87 00	84	79 00	53 50	47	138 00	75 00	244	192 50	111 00	336	114 30	103 00
Whiteside	Albany	29	84 00	66 00	14	22 00	5 00	6	.....	.....	205	68 00	58 50	248	63 75	49 25
Whiteside	Morrison	56	127 00	86 00	57	56 00	32 50	12	44 00	18 00	257	99 25	89 25	557	167 50	153 75

Will	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Williamson	Marion	51	199 00	105 00	66	107 50	39 00	8	79 50	9 00	164	114 75	95 50	149	50 50	44 50
Winnebago	Rockford	58	182 00	110 00	173	106 50	79 00	.....	.....	.....	221	201 50	177 25	85	223 00	212 50
Woodford	El Paso	88	331 00	163 00	70	79 50	41 50	19	69 00	61 00	307	129 00	117 00	684	161 50	146 75
State Fair	Chicago	393	2,065 00	1,845 00	499	872 00	664 00	16	45 00	35 00	471	798 00	731 00	292	1,315 00	1,221 00
Fat Stock Show	Chicago	228	1,480 00	1,225 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals	.....	5,034	$17,516 35	$11,752 40	6,306	$7,675 10	$4,319 80	2,290	$4,019 60	$1,943 15	16,864	$9,568 25	$7,314 25	25,101	$11,109 05	$8,893 75

Exhibit Illinois Agricultural Fair, 1886—Continued.

Counties.	Location of Fair.	Fine Arts.			Textile Fabrics.			Education and Natural History.			Agricultural Implements.		
		Number of entries	Amount of premiums offered.	Amount of premiums paid	Number of entries	Amount of premiums offered.	Amount of premiums paid	Number of entries	Amount of premiums offered.	Amount of premiums paid	Number of entries	Amount of premiums offered.	Amount of premiums paid
Adams	Camp Point	229	$131 50	$99 50	958	$413 50	$365 00	2	50 00	50 00	76	163 00	137 00
Alexander													
Bond													
Boone	Belvidere	96	60 00	51 00	257	176 25	147 75				108	78 00	58 00
Brown	Mt. Sterling	70	54 00	40 00	617	246 75	232 50	30			28	70 00	50 00
Bureau	Princeton	72	67 50	59 50	270	209 00	190 25	285	200 00	173 00	28	77 00	33 00
Calhoun													
Carroll													
Cass	Virginia	34	57 50	25 50	156	118 50	47 25				8	64 00	11 24
Champaign	Champaign	431	98 00	93 00	872	139 00	95 52						
Christian	Pana	119	24 00	22 50	346	112 50	87 00	22	83 00	45 00			
Christian	Assumption	2	5 90	50	21	22 05	5 25						
Clark													
Clay													
Clinton													
Coles	Charleston	116	68 50	49 50	319	122 50	117 50	2	19 00	2 00	35	6 00	2 00
Cook													
Crawford	Robinson	95	72 00	40 00	233	106 00	90 50	19	20 00	10 00	20		
Cumberland	Toledo	11	18 00	9 00	132	234 75	106 00	3	7 50	3 00			
DeKalb	Sycamore	41	51 00	44 00	103	73 00	48 50	19	50 00	26 00	28	22 00	21 00
DeWitt	Clinton	29	31 00	9 75	198	149 00	88 50	94	44 00	33 00			
DeWitt	Farmer City	33	42 00	18 50	211	92 00	74 50	8	8 00	5 00	28	79 00	65 00
Douglas													
DuPage	Wheaton				168	136 50	60 00		100 00		11	30 00	7 00
Edgar	Paris	282	245 00	224 00	567	318 00	297 50				64	65 00	40 00
Edwards	Albion	41	46 50	33 50	350	173 00	151 50				32	47 00	38 00
Effingham													
Fayette	Vandalia				103	50 75	19 75						
Ford	Piper City	21	15 00	15 00	85						30	25 00	25 00
Franklin	Benton	7	7 00	1 50	168	64 00	39 00						
Fulton	Avon	33	25 25	13 25	359	155 00	120 75	16	29 50	19 50		65 00	
Fulton	Canton	11	42 00	30 00	170	189 50	121 00	135	190 00	80 00	22	119 00	50 00
Gallatin	Shawneetown	30	53 00	39 50	94	93 00	73 00						
Greene	Carrollton	92	35 00	23 50	587	163 50	158 00	1,413	105 50	80 50	33	88 00	34 00
Grundy													

Hamilton	McLeansboro				30	40 50	40 50				15	41 25	41 25
Hancock	Warsaw	87	42 00	29 50	194	75 00	41 25				38	82 25	29 00
Hancock	Carthage	186	148 50	103 50	538	242 25	201 70				60	56 00	40 00
Hardin	Elizabethtown				57	40 25	26 00						
Henderson	Biggsville	32	16 00	12 00	260	48 75	23 00				8	30 00	3 50
Henry	Kewanee	41	97 00	63 00	230	259 00	113 70						
Iroquois	Watseka	180	175 00	140 00	48	50 00	48 00	2	15 00	2 00	65	125 00	35 00
Jackson	Carbondale	55	98 50	47 25	161	114 75	94 75				6	20 00	15 00
Jasper	Newton	108	97 00	72 00	225	110 50	61 00				12	52 00	16 00
Jefferson	Mt. Vernon	35	39 00	24 00	155	108 50	87 75						
Jersey	Jerseyville	69	84 00	48 00	377	270 00	216 00				69	125 00	125 00
JoDaviess	Galena	10	28 00	18 00	433	291 50	260 30				82		
JoDaviess	Warren	54	44 50	24 50	206	81 50	65 25				57	32 00	28 00
Johnson													
Kane													
Kankakee	Kankakee	88	100 00	72 90	116	130 00	72 00	66	50 00	45 00	36	98 00	22 50
Kendall	Yorkville	49	35 00	30 50	119	75 00	54 75	7	30 00	11 00	9	25 00	15 00
Knox	Knoxville	400	30 00	30 00	500	100 00	50 00	600	75 00	75 43	10	25 00	25 00
Lake	Libertyville	20	28 00	14 00	220	88 00	55 00	12	17 50	6 00	28	15 00	8 00
Lake	Waukegan				371	319 00	191 75				13	47 50	47 50
LaSalle	Mendota	238	168 50	124 50	402	300 00	212 50		30 00		12	84 50	37 00
Lawrence													
Lee													
Livingston	Fairbury	78	67 50	55 25	440	157 75	132 00	110	144 00	140 00	6	43 00	25 00
Logan	Atlanta	53	39 25	27 50	258	106 00	75 50	15	18 50	13 50			
Logan	Lincoln	104	120 50	108 00	322	146 25	120 30	4			92		
Macon													
Macoupin	Carlinville				300	300 00	40 00						
Madison													
Marion	Salem	17	6 00	4 50	97	51 75	26 00	7	6 50	2 50			
Marshall	Wenona	219	151 25	126 50	742	392 25	354 75	19	70 50	15 50	26	88 00	72 00
Mason													
Massac	Metropolis				73	105 00	56 50						
McDonough													
McHenry	Marengo	22	22 25	9 00	139	93 50	38 75				37	20 00	18 00
McHenry	Woodstock	124	141 00	137 00	400	400 00	176 50				500		
McLean	Bloomington	9	9 25	2 50	144	44 50	31 50				35		
Menard	Petersburg				182	47 25	42 25	73	46 00	21 50	101	75 00	33 00
Mercer	Aledo	150	176 00	112 00	507	196 00	155 25	261	37 50	25 00	25	52 00	42 10
Monroe													
Montgomery	Hillsboro	10	27 00	7 00	104	61 00	51 00		70 00	61 00		45 00	14 00
Morgan													
Moultrie													
Ogle	Oregon	42	43 50	21 50	180	143 50	98 00	227	92 00	65 00		5 00	5 00
Ogle	Rochelle	88	25 50	23 50	222	105 50	80 50	10	15 00	9 00	43	70 00	32 00
Peoria	Dunlap	23			70			62			62		
Peoria	French Grove	36			35			8			43		
Perry													
Piatt	Monticello	30	30 00	23 00	81	90 00	38 00		50 00	50 00	6	25 00	10 00
Pike	Pittsfield	30	35 00	24 00	203	293 00	222 50				2	30 00	30 00

Exhibit Illinois Agricultural Fair, 1886—Continued.

Counties.	Location of Fair.	Fine Arts.			Textile Fabrics.			Education and Natural History.			Agricultural Implements.		
		Number of entries	Amount of premiums offered.	Amount of premiums paid	Number of entries	Amount of premiums offered.	Amount of premiums paid	Number of entries	Amount of premiums offered.	Amount of premiums paid	Number of entries	Amount of premiums offered.	Amount of premiums paid
Pike	Barry				153	$21 25	$21 25				12	$6 00	$6 00
Pope	Golconda	12	$13 25	$10 00	111	65 25	55 75						
Pulaski													
Putnam													
Randolph	Sparta				140	90 00	35 00				2	32 00	15 00
Richland	Olney	38	75 00	11 50	305	400 00	108 00	12	$27 00	$27 00			
Rock Island	Port Byron	10	19 50	11 00	5	24 00	4 00				5	9 00	9 00
Saline	Eldorado	45	82 00	45 50	101	112 50	61 00				15	40 50	15 00
Saline	Harrisburg	47	43 00	28 80	104	63 00	39 20				50	30 00	21 60
Sangamon													
Schuyler	Rushville	32	31 50	14 50	342	156 00	138 50				13	134 25	37 50
Scott													
Shelby	Shelbyville	110	84 00	80 00	268	112 00	112 00				20	76 00	32 00
Stark	Toulon	121	76 50	65 00	308	174 50	152 65	36	64 00	48 00	62	50 00	50 00
Stark	Wyoming	7	22 00	13 00	95	90 00	75 00	18	25 00	19 50	10		
St. Clair	Belleville	111	55 00	25 00	522	222 50	168 00	152	69 00	58 00	208	113 00	113 00
Stephenson													
Tazewell	Delavan	88	66 00	48 75	625	201 00	98 75		112 50				
Tazewell	Mackinaw	39	19 00	12 15	198	51 30	44 00	6	40 00	18 00	36	2 00	2 00
Union	Anna	74	67 75	25 75	147	167 00	109 25						
Union	Jonesboro				161	180 00	154 00				36	150 00	58 25
Vermilion	Catlin	3			21	16 50	12 50				4		
Vermilion	Danville	18	45 50	24 00	159	118 50	94 00	34	31 00	31 00	41		
Vermilion	Hoopeston				596	271 00	271 00				8	31 00	20 00
Wabash													
Warren	Monmouth	104	106 50	78 00	789	249 25	213 75	100	100 00	100 00	51		
Washington													
Wayne													
White	Carmi	38	75 50	52 00	206	151 25	88 25						
Whiteside	Albany				165	73 50	55 50						
Whiteside	Morrison	122	58 50	52 50	317	167 75	135 50	81	40 00	31 00	1	16 00	10 00

Will													
Williamson	Marion				247	170 50	109 05						
Winnebago	Rockford	131	241 50	219 50	227	204 00	147 50	84	94 50	84 00			
Woodford	El Paso	83	52 25	35 25	428	130 50	120 50	13	24 00	19 00			
State Fair	Chicago	243	557 00	511 00	1,023	655 00	604 00	455	1,323 00	958 00	533		
Fat Stock Show	Chicago												
Total		6,058	$5,165 90	$3,841 10	24,248	$13,373 85	$9,618 92	4,522	$3,624 00	$2,462 93	3,246	$2,999 25	$1,729 35

Exhibit Illinois Agricultural Fairs, 1886—Continued.

Counties.	Location of Fair.	President.	Secretary.	Dairy Products.			Miscellaneous Exhibit.			Totals.		
				No. entries.	Amount premiums offered.	Amount premiums paid.	No. entries.	Amount premiums offered.	Amount premiums paid.	No. entries.	Amount premiums offered.	Amount premiums paid.
Adams	Camp Point	A. R. Wallace	Richard Seaton				20	$157 00	$24 00	3,808	$4,339 00	$3,699 75
Alexander												
Bond												
Boone	Belvidere	George Reed	A. E. Jenner	3	$19 00	$3 50				910	2,073 75	1,407 25
Brown	Mt. Sterling	C. M. Dunlap	John J. McDannold				108	12 00	3 50	2,636	2,919 50	2,598 05
Bureau	Princeton	Ellis B. Wood	M. C. Clark	313	113 00	119 50				1,973	3,498 75	3,360 00
Calhoun												
Carroll												
Cass	Virginia	C. W. Savage	R. Lancaster							711	1,725 00	598 20
Champaign	Champaign	H. H. Harris	J. W. Booker							3,521	4,043 50	3,504 52
Christian	Pana	H. N. Schuyler	J. C. Essick				18	137 00	100 00	1,459	2,429 50	1,683 75
Christian	Assumption	P. L. Myers	J. M. Buck	1	10 00	25	12	33 50	33 50	367	606 40	327 25
Clark												
Clay												
Clinton												
Coles	Charleston	William Millar	J. H. Marshall	7	9 00	9 00				2,242	3,492 00	2,638 00
Cook												
Crawford	Robinson	P. P. Connett	Wm. Swearen	10	8 00	3 00				1,181	1,733 50	1,279 50
Cumberland	Toledo	C. G. Jones	F. M. Snyder				5	31 50	10 50	697	2,586 25	1,703 00
DeKalb	Sycamore	Hiram Holcomb	B. F. Wyman	9	8 00	8 00	9			812	1,965 00	1,368 50
DeWitt	Clinton	Wm. Fulier	J. W. Bowren							1,195	2,286 00	1,089 45
DeWitt	Farmer City	Jos. G. Moore	E. H. Slemmons				51	85 00	79 00	2,153	3,546 50	2,938 50
Douglas												
DuPage	Wheaton	E. H. Gary	W. H. Johnson	2	21 00	7 00				473	1,685 50	615 75
Edgar	Paris	W. O. Wilson	H. B. Adams				12	50 00	34 00	3,096	4,307 50	3,414 25
Edwards	Albion	J. W. Barber	Geo. Ferriman	130	83 00	70 50			208 00	1,127	1,823 00	1,677 50
Effingham												
Fayette	Vandalia	R. H. Sturgess	Chas. L. Dinges, Jr	4	12 00	8 00	6			559	600 00	359 00
Ford	Piper City	Joseph Burger	H. S. Carpenter	5			33	44 00	44 00	425	614 00	326 75
Franklin	Benton	W. R. Webb	J. W. Hill, Jr				293	411 75	222 50	1,172	2,585 00	1,817 25
Fulton	Avon	D. H. Gorham	A. E. Lillie				164		17 38	2,014	2,395 00	1,715 13
Fulton	Canton	J. A. Furry	J. R. Rothman	19	19 50	16 50				1,410	3,297 00	1,992 00
Gallatin	Shawneetown	M. M. Pool	J. L. Robinson							935	3,361 50	2,571 75
Greene	Carrollton	Benjamin Roodhouse	N. J. Andrews							3,183	2,417 00	1,893 50
Grundy												
Hamilton	McLeansboro	W. A. Coker	W. A. McElvain	12	9 00	9 00	5	6 75	6 75	602	1,292 50	1,292 50
Hancock	Warsaw	Isaac Bliss	J. T. Johnson							1,366	2,237 50	1,384 50
Hancock	Carthage	Eli W. Bennet	James Mayor				18			3,157	4,295 00	3,588 70

Hardin	Elizabethtown	Chas. M. Ferrell	Jas. Hetherington				8	$36 00	$7 50	293	$1,216 65	$808 50
Henderson	Biggsville	Paul D. Salter	R. A. McKinley				45			1,281	2,122 50	618 50
Henry	Kewanee	J. K. Blish	John Moore	56	$42 00	$31 50			17 80	1,199	3,807 00	2,950 00
Iroquois	Watseka	Dr. O. Bush	L. F. Watson	15	25 00	20 00			142 00	1,076	2,920 00	1,480 00
Jackson	Carbondale	Sam. T. Brush	Geo. W. Graham							688	3,104 75	1,754 25
Jasper	Newton	William Johnson	W. E. Barrett	41	20 00	20 00				1,257	2,402 50	1,248 00
Jefferson	Mt. Vernon	A. W. Plummer	John S. Bogan							795	2,222 75	1,675 00
Jersey	Jerseyville	Spencer Wyckoff	J. S. Daniels				25			2,175	3,720 50	3,474 50
Jo Daviess	Galena	Geo. S. Avery	F. Bostwick	30	26 50	18 70				1,073	1,675 50	1,448 40
Jo Daviess	Warren	Robert Hawley	W. L. Gale				24	24 00	13 75	685	1,602 75	1,139 50
Johnson												
Kane												
Kankakee	Kankakee	Milo Barnard	M. Enyart				53	100 00	28 00	1,092	2,705 00	1,447 75
Kendall	Yorkville	N. Loucks	E. W. Faxon	10	30 00	12 20				787	2,538 50	1,405 20
Knox	Knoxville	M. L. Overstreet	O. L. Campbell	500	120 00	70 00	100	200 00	186 00	3,852	3,301 00	2,548 43
Lake	Libertyville	E. W. Parkhurst	W. E. Davis	5	15 00	6 00	20	15 00	12 00	956	1,595 00	1,054 00
Lake	Waukegan	A. L. Blodgett	O. H. Heath	10	15 00	15 00	43			1,652	4,188 25	2,261 25
LaSalle	Mendota	Wm. Truman	Chas. T. Madden	24	22 50	18 00	18	20 00	20 00	1,608	3,902 00	2,754 50
Lawrence												
Lee												
Livingston	Fairbury	R. C. Straight	C. F. H Carrithers	136	48 75	40 75	145	20 00	3 00	2,031	4,713 25	3,662 50
Logan	Atlanta	Ed. Stubblefield	J. P. Hieronymus				21	40 00	81 80	2,156	2,118 75	1,744 55
Logan	Lincoln	A. B. Nicholson	W. D. Duff							1,369	3,864 75	3,079 80
Macon												
Macoupin	Carlinville	A. C. Hulse	Geo. J. Castle							785	2,134 60	1,112 40
Madison												
Marion	Salem	A. Coffin	Jos. Schwartz							735	944 35	549 75
Marshall	Wenona	S. S. Burgess	Geo. G. McAdam				34	40 50	36 50	2,170	4,264 25	2,945 00
Mason												
Massac	Metropolis	J. C. Willis	Niles Daily				15		4 50	323	752 50	430 25
McDonough												
McHenry	Marengo	L. W. Sheldon	J. S. Rogers	10	16 00	11 00		13 00	13 00	938	1,709 00	993 75
McHenry	Woodstock	Thos. McD. Richard	A. S. Wright	25	43 00	30 00				2,728	3,630 00	2,268 55
McLean	Bloomington	S. Noble King	A. L. Viney							795	707 50	354 75
Menard	Petersburg	C. E. McDougall	H. A. Wood	21	26 00	18 00	20		12 00	898	1,963 15	1,482 65
Mercer	Aledo	Da id Calhoun	L. B. Morey				38	11 00	11 00	2,598	3,998 00	2,887 25
Monroe												
Montgomery	Hillsboro	Amos Miller	W. K. Jackson	5	10 00	7 00	3		14 00	492	1,755 00	1,047 00
Morgan												
Moultrie												
Ogle	Oregon	Simon Sheaff	H. P. Lason	11	15 00	10 25	30	39 25	9 00	1,114	2,766 00	1,736 00
Ogle	Rochelle	J. A. Countryman	Geo.E. Turkington	12	12 00	8 50				1,294	2,102 00	1,661 50
Peoria	Dunlap			8			11			892		
Peoria	French Grove			12						672		
Perry												
Piatt	Monticello	Jesse W. Warner	C. A. Tatman							731	3,090 75	2,144 25
Pike	Pittsfield	Wm. Yates	E. F. Binns							702	2,190 50	1,674 35
Pike	Barry	N. P. Hart	T. Cooke				95	33 50	30 50	573	742 50	622 50
Pope	Golconda	J. R. Steagall	J. E. Y. Hanna	53	33 00	23 50	59		42 70	641	1,002 25	906 95
Pulaski												
Putnam												
Randolph	Sparta	J. H. Dickey	J. D. Watson	8	10 00	5 00		200 00		766	1,428 00	362 00

Exhibit Illinois Agricultural Fairs, 1886—Continued.

Counties.	Location of Fair.	President.	Secretary.	Dairy Products.			Miscellaneous Exhibit.			Totals.		
				No. entries.	Amount premiums offered.	Amount premiums paid.	No. entries.	Amount premiums offered.	Amount premiums paid.	No. entries.	Amount premiums offered.	Amount premiums paid.
Richland	Olney	S. M. Thomson	W. F. Beck							1,326	$3,633 00	$1,520 01
Rock Island	Port Byron	Henry Saddoris	A. Saddoris	10	$25 00	$10 00				492	1,093 00	586 45
Saline	Eldorado	J. J. Jones	C. M. Westbrook							783	2,437 50	1,745 50
Saline	Harrisburg	R. N. Warfield	W. A. McHaney				10	$22 50	$9 90	455	1,326 75	793 40
Sangamon												
Schuyler	Rushville	Mark Bogue	John S. Bagby					375 00	375 00	1,533	3,545 25	2,732 00
Scott												
Shelby	Shelbyville	Jno. A. Tackett	Geo. A. Roberts							1,360	2,235 00	1,765 00
Stark	Toulon	Henry Colwell	James Nowlan	30	21 00	19 00	49	226 00	206 00	2,317	2,612 75	2,081 65
Stark	Wyoming	W. Scott	W. A. Scott	8	10 00	10 00				669	2,484 00	1,899 00
St. Clair	Belleville	J. H. Atkinson	Don Turner							2,527	4,317 75	3,011 50
Stephenson												
Tazewell	Delavan	J. W. Crabb	H. M. Gillmore				40	80 00	20 00	2,378	3,047 00	2,074 75
Tazewell	Mackinaw	D. W. Puterbaugh	R. V. Howe	21	4 50	2 10	37	35 00	12 00	1,538	1,036 95	559 05
Union	Anna	Robt. Reischauer	M. V. Eaves	170	43 55	41 30	55	19 00	14 75	1,126	3,014 70	1,695 10
Union	Jonesboro	J. W. Fuller	Thos. J. Watkins				109			1,005	1,765 25	1,485 50
Vermilion	Catlin	Henry Davis	W. T. Squires	6	4 50	3 00	7			821	1,899 00	1,579 50
Vermilion	Danville	W. J. Moore	V. L. Hawes	6	5 00	5 00	33			1,147	4,849 50	3,602 25
Vermilion	Hoopeston	Jas. A. Cunningham	Dale Wallace				60	300 00	274 90	2,094	4,154 00	3,556 90
Wabash										2,506	3,719 00	2,855 75
Warren	Monmouth	J. T. Reichard	Geo. C. Rankin									
Washington												
Wayne												
White	Carmi	Elois Stinnett	Frank E. Pomeroy	8	6 00	3 00			148 40	1,342	3,682 25	2,789 15
Whiteside	Albany	J. S. Kearns	D. S. Efner							829	1,205 25	781 25
Whiteside	Morrison	C. D. Parker	J. N. Baird	24	12 25	7 25	11	37 50	15 00	1,818	2,010 75	1,679 75
Will												
Williamson	Marion	Chas. H. Dennison	Wm. H. Eubanks				10			960	2,596 25	1,969 60
Winnebago	Rockford	S. P. Crawford	C. C. Jones	4	31 00	14 00	25		22 50	1,482	3,795 00	3,226 25
Woodford	El Paso	Ed. Hodgson	Walter Bennett	30	15 25	11 25	37	108 50	90 00	2,160	3,139 00	2,161 25
State Fair	Chicago	John Landrigan	Charles F. Mills	38	120 00	115 00			185 58	6,407	29,241 00	24,651 38
Fat Stock Show	Chicago	John Landrigan	Charles F. Mills	225	2,750 00	1,415 00			503 80	1,416	17,250 00	10,593 80
Totals				2,087	$3,889 30	$2,275 55	2,044	$2,964 25	$3,346 01	129,399	$266,247 80	$191,977 26

FINANCIAL EXHIBIT ILLINOIS AGRICULTURAL FAIRS—1886.

Counties.	Location of Fair.	Amount in treasury last report.	Amount received from gate and entrance fees.	Amount received from booth rents and permits	Amount received from sale shares stock	Amount received from State appropriation	Amount received from other sources	Amount paid in premiums	Amount paid real estate, buildings, etc.	Amount paid current expenses not premiums	Amount paid on previous indebtedness	Amount remaining in treasury	Amount deficit current year
Adams	Camp Point	$2,543 99	$5,000 00	$649 00	$20 00	$100 00		$3,699 75	$783 09	$1,799 95		$2,030 20	
Alexander													
Bond													
Boone	Belvidere	164 66	2,332 35	252 00		100 00	$47 00	1,408 25	334 77	705 99	$364 20	82 80	
Brown	Mt. Sterling	1,609 49	4,222 45	508 00	199 18	100 00	128 00	2,598 05	528 00	1,360 36		2,280 71	
Bureau	Princeton	181 15	4,513 09	492 62	10 00	100 00	250 21	3,360 00	400 00	1,489 11	249 65	48 31	
Calhoun													
Carroll													
Cass	Virginia		945 83	145 50		100 00	520 50	598 20	200 00	913 63			
Champaign	Champaign		4,907 40	590 50			1,022 33	3,504 52	347 63	885 63	2,015 33		$232 88
Christian	Assumption		620 80	37 25			48 50	329 25		60 65		316 65	
Christian	Pana	151 81	3,577 50	241 50	3,000 00	100 00	196 25	1,683 75	5,653 15	638 56			708 40
Clark													
Clay													
Clinton													
Coles	Charleston	87 07	3,832 12	403 45		100 00	75 30	2,638 00	93 94	723 81	999 34	42 85	
Cook													
Crawford	Robinson	50 11	1,445 60	318 71		100 00	23 00	1,279 50	150 00	487 25		20 67	
Cumberland	Greenup		1,967 32	305 25		100 00	207 00	1,703 00	188 75	491 14	186 24	10 44	
DeKalb	Sycamore		1,604 00	168 00	88 00	100 00		1,368 50	65 00	628 50			102 00
DeWitt	Clinton	18 43	1,551 59	476 50	260 00	100 00	117 25	1,089 45		1,147 62	60 00	226 70	
DeWitt	Farmer City	185 89	3,706 75	809 54	129 08	100 00	491 50	2,938 50	944 81	1,124 87		414 58	
Douglas													
DuPage	Wheaton	3 51	552 75	87 50		100 00	221 64	615 75	69 60	122 33	155 00	2 72	
Edgar	Paris	521 40	4,907 06	650 50		100 00	1,376 01	3,414 25	2,660 02	966 15		514 55	
Edwards	Albion	526 35	2,118 15	266 00		100 00		1,677 50	354 39	460 32		518 29	
Effingham													
Fayette	Vandalia	69 69	520 79	76 75			38 25	359 00		297 75		48 73	
Ford	Piper City	134 70	394 75	40 97				326 75	103 00	80 00		60 67	
Franklin	Benton		2,725 55	449 65		100 00		1,817 25		1,290 95	167 00		
Fulton	Avon	309 66	1,878 40	372 90		100 00	734 10	1,715 13	820 00	644 21		215 72	
Fulton	Canton		3,387 00	415 00			93 00	1,992 00		1,382 00		521 00	
Gallatin	Shawneetown		2,847 65	620 00		100 00		2,571 75	248 15	708 00	39 75		
Greene	Carrollton		2,916 60	407 50	178 75	100 00	421 55	1,893 50	125 00	1,467 04	90 65	448 21	
Grundy													
Hamilton	McLeansboro	87 50	1,680 35	431 90		100 00	170 00	1,292 50	400 00	536 25	200 00	41 00	
Hancock	Carthage	713,50	5,651 55	635 00		100 00	333 00	3,588 70	1,009 81	1,520 19	176 97	1,128 38	
Hancock	Warsaw		1,874 25	264 50		100 00	239 15	1,384 50	263 87	661 39	18 82	149 32	
Hardin	Elizabethtown		1,020 50	187 25		100 00		808 50		367 65	131 60		

Financial Exhibit Illinois Agricultural Fairs, 1886—Continued.

Counties.	Location of Fair.	Amount in treasury last report.	Amount received from gate and entrance fees.	Amount received from booth rents and permits	Amount received from sale shares stock	Amount received from State appropriation	Amount received from other sources	Amount paid in premiums	Amount paid real estate, buildings, etc.	Amount paid current expenses not premiums	Amount paid on previous indebtedness	Amount remaining in treasury	Amount deficit current year
Henderson	Biggsville	$30 25	$870 00	$157 00		$100 00	$303 63	$618 50	$334 88	$447 52	$39 80	$19 18	
Henry	Kewanee		5,176 00	550 00	$7,350 00			2,950 00	9,435 00	500 00		191 00	
Iroquois	Watseka	55 95	1,607 00	281 00		100 00	220 00	1,480 00	160 00	600 00	60 00		$35 05
Jackson	Carbondale		2,139 70	267 35		100 00	41 50	1,754 25		562 65	231 65		
Jasper	Newton	1,177 68	1,792 70	337 00		100 00	95 00	1,248 00	278 95	636 39	1,339 04		
Jefferson	Mt. Vernon	58 56	2,156 81	618 59		100 00	184 41	1,675 00	730 10	218 53	375 00	119 74	
Jersey	Jerseyville		3,316 35	485 50		100 00	1,254 11	3,474 50	169 89	1,555 63	52 15		96 21
Jo Daviess	Galena	66 11	2,500 79	623 30		100 00	120 00	1,448 40		1,894 81	247 95		181 06
Jo Daviess	Warren		1,428 70	162 55		100 00	199 73	1,139 50	186 72	493 82	223 48		152 54
Johnson													
Kane													
Kankakee	Kankakee	226 55	1,871 00	270 50		100 00	70 00	1,447 75	384 27	642 26	68	63 09	
Kendall	Yorkville	4 44	2,400 00	200 00		100 00		1,405 20	1,190 34	103 00			
Knox	Knoxville	286 42	2,500 00	400 00	310 00	100 00		2,548 43	106 00	300 00		542 00	
Lake	Libertyville	22 08	1,344 75	234 35		100 00	275 08	1,054 00	124 93	281 67	483 20	32 46	
Lake	Waukegan	349 86	2,154 46	481 30		100 00	200 00	2,201 25		1,000 37	180 00		156 00
LaSalle	Mendota	30 52	3,299 75	251 40		100 00	169 50	2,754 50	100 00	1,958 94		87 73	1,050 00
Lawrence													
Lee													
Livingston	Fairbury		3,380 83	338 00		100 00	845 73	3,662 50	312 57	941 01			251 52
Logan	Atlanta	1,158 89	2,748 75	620 50		100 00	856 65	1,744 55	437 50	1,265 15		2,037 59	
Logan	Lincoln		3,808 53	641 25		100 00	1,225 50	3,079 80	495 40	1,830 31	301 85	67 92	
Macon													
Macoupin	Carlinville		1,950 00	300 00		100 00	100 00	1,112 40	387 60	950 00			
Madison													
Marion	Salem	14 40	746 60	67 50		100 00	113 10	549 75		276 48	215 37		
Marshall	Wenona	126 72	3,604 74	359 10		100 00	471 66	2,945 00		1,425 20	225 00	66 72	
Mason													
Massac	Metropolis	6 90	808 60	93 60		100 00	76 05	530 25	109 90	236 05	80 00	228 95	
McDonough													
McHenry	Marengo	51 12	1,345 22	171 05		100 00	30 50	993 75		699 58		4 56	
McHenry	Woodstock	95 02	3,659 35	336 50		100 00	1,250 15	2,268 55	295 51	2,097 93	685 50	93 53	
McLean	Bloomington		821 65	109 50	47 00	100 00	18 90	354 75	20 75	415 31	309 18	7 06	
Menard	Petersburg		3,638 07					1,482 65	1,620 89	393 00		41 53	
Mercer	Aledo	72 89	3,639 20	884 45		100 00	86 00	2,887 25	456 66	1,093 15	427 90	17 58	100 00
Monroe													
Montgomery	Hillsboro		1,349 96	138 10		100 00	130 70	1,047 00	91 90	518 95	60 91		
Morgan													

Moultrie													
Ogle	Oregon	363 52	1,976 03	272 25			568 25	1,736 00	312 77	773 74		357 54	
Ogle	Rochelle	335 76	1,179 98	214 00		100 00	220 00	1,661 50	87 14	159 60		141 50	
Peoria	Dunlap	112 86	778 20	100 00			130 60		551 77	159 60		412 12	
Peoria	French Grove	16	579 50	52 00			98 75		653 00	83 70			6 29
Perry													
Piatt	Monticello	2,337 50	3,902 80	786 25		100 00		2,144 25	3,353 10			1,689 20	
Pike	Barry	100 00	1,234 50	221 85		100 00		622 50	333 85	400 00		300 00	
Pike	Pittsfield		2,377 70	363 00		100 00	496 11	1,674 35	180 00	783 87	644 00	54 59	
Pope	Golconda	195 65	1,384 95	142 00		100 00		906 95	300 00	69 40		546 25	
Pulaski													
Putnam													
Randolph	Sparta	7 40	881 60	99 00		100 00		362 00		626 00	100 00		
Richland	Olney		1,605 48	202 70		100 00	420 30	1,521 00	756 17			51 31	
Rock Island	Port Byron	281 99	752 77	173 30		100 00	64 40	586 45		358 24		427 77	
Saline	Eldorado		2,019 02	792 00		100 00	74 50	1,745 50	10 00	658 61	571 41		
Saline	Harrisburg	1,390 00	957 25	171 00		100 00	37 05	793 40		340 25	144 58	1,377 07	
Sangamon													
Schuyler	Rushville		2,839 90	467 30		100 00		2,732 00	840 72	451 17			616 69
Scott													
Shelby	Shelbyville	869 40	2,590 11	693 05		100 00	338 75	1,765 00	1,300 00	411 81		1,114 50	
Stark	Toulon	1,156 95	1,577 65	472 25		100 00	342 65	2,081 65		2,698 56			1,130 71
Stark	Wyoming	96 79	1,380 80	635 17		100 00	145 20	1,899 00	150 00	553 17	139 00	95 79	480 00
St. Clair	Belleville	65 48	2,845 98	1,258 50	300 00		552 32	3,011 50		2,010 78			
Stephenson													
Tazewell	Delavan		3,038 95	341 75		100 00	547 80	2,074 75	100 00	1,574 61	80 00	199 14	
Tazewell	Mackinaw	9 09	934 94	164 00		100 00	99 70	559 05	659 24	487 82	91 15	20 47	510 00
Union	Anna		1,892 85	480 50		100 00	499 56	1,695 10	100 00	750 03	427 78		
Union	Jonesboro		1,705 00	445 00		100 00	10 00	1,485 50	125 00	524 50		125 00	
Vermilion	Catlin	679 56	1,248 85	228 25		100 00	874 88	1,579 50		1,133 71		418 33	
Vermilion	Danville		3,000 00	600 00		100 00	1,427 00	3,602 25		1,800 00	246 00		521 25
Vermilion	Hoopestown	10 86	3,524 63	1,019 80		100 00	1 00	3,556 90	599 30	498 61		1 48	
Wabash													
Warren	Monmouth		2,975 50	252 00	50 00	100 00	43 55	2,855 75	328 39	1,136 66			899 75
Washington													
Wayne													
White	Carmi	194 63	3,789 05	978 62			124 00	2,789 15	214 94	1,398 77	650 00	123 44	
Whiteside	Albany	65	1,214 40	147 05	7 00	100 00	186 25	781 25	187 62	661 13		25 35	
Whiteside	Morrison		2,850 65	445 00		100 00	735 11	1,679 75	335 50	1,693 43	422 53	05	
Will													
Williamson	Marion		2,392 45	385 15		100 00	50 00	1,969 60	90 25	557 75	485 60	9 40	185 00
Winnebago	Rockford	1,534 97	6,566 00	675 65		100 00	266 54	3,226 25	861 12	2,689 20		2,366 59	
Woodford	El Paso	104 76	2,909 70	231 00		100 00	273 65	2,161 25	300 00	1,076 63		81 23	
State Fair	Chicago	23,876 27	23,987 75	6,198 00		4,000 00	2,070 79	24,651 08		14,785 14	1,950 62	18,745 97	
Fat Stock Show	Chicago		14,659 75			1,000 00	10,025 00	10,593 80		16,916 57		125 00	1,950 62
Totals		$44,977 53	$246,323 35	$39,389 92	$11,949 01	$12,600 00	$35,815 15	$191,977 26	$46,105 02	$104,440 54	$16,345 88	$41,553 23	$9,366 97

DEBT STATEMENT, ILLINOIS AGRICULTURAL FAIRS, 1886.

Counties.	Location of Fair.	Amount of deficit last report	Amount of interest on debt	Amount of deficit for 1886	Amount paid on debt	Amount of present indebtedness
Adams	Camp Point					
Alexander						
Bond						
Boone	Belvidere					
Brown	Mt. Sterling					
Bureau	Princeton	$2,540 00	$249 65		$249 65	$2,540 00
Calhoun						
Carroll						
Cass	Virginia					
Champaign	Champaign	2,815 33	196 00	$232 88	2,015 33	1,228 88
Christian	Assumption					
Christian	Pana	1,700 00	110 50	708 40		2,518 90
Clark						
Clay						
Clinton						
Coles	Charleston	4,137 70	806 64		999 34	3,945 00
Cook						
Crawford	Robinson					
Cumberland	Greenup	842 69			186 24	656 45
DeKalb	Sycamore	47 00		102 00		149 00
DeWitt	Clinton	810 00			60 00	750 00
DeWitt	Farmer City					
Douglas						
DuPage	Wheaton	150 00	5 00		155 00	
Edgar	Paris					
Edwards	Albion					
Effingham						
Fayette	Vandalia	1,100 00	88 00			1,188 00
Ford	Piper City					
Franklin	Benton	2,927 99			167 00	2,760 99
Fulton	Avon					
Fulton	Canton					
Gallatin	Shawneetown	2,739 75			39 75	2,700 00
Greene	Carrollton	837 40	67 00		90 65	813 75
Grundy						
Hamilton	McLeansboro					
Hancock	Carthage					
Hancock	Warsaw	18 82			18 82	
Hardin	Elizabethtown	395 00	31 60		131 60	295 00
Henderson	Biggsville	480 00	39 80		39 80	480 00
Henry	Kewanee	5,535 00				5,535 00
Iroquois	Watseka	60 00		36 05	60 00	36 05
Jackson	Carbondale	416 34	33 31		231 65	218 00
Jasper	Newton					
Jefferson	Mt. Vernon					
Jersey	Jerseyville	788 87	52 15	96 11	52 15	885 08
Jo Daviess	Galena	2,687 00	468 00	181 06	247 95	3,088 11
Jo Daviess	Warren	217 21	6 27	152 54	223 48	152 54
Johnson						
Kane						
Kankakee	Kankakee					
Kendall	Yorkville					
Knox	Knoxville					

Debt Statement—Continued.

Counties.	Location of Fair.	Amount of deficit last report.....	Amount of interest on debt.....	Amount of deficit for 1886.....	Amount paid on debt.....	Amount of present indebtedness.....
Lake	Libertyville	$1,474 66	$14 00		$483 69	$1,004 97
Lake	Waukegan	3,000 00	180 00		180 00	3,000 00
LaSalle	Mendota			$1,050 00		1,050 00
Lawrence						
Lee						
Livingston	Fairbury	1,000 00	80 00	251 52		1,331 52
Logan	Atlanta					
Logan	Lincoln	2,084 57			301 85	1,782 72
Macon						
Macoupin	Carlinville	800 00				800 00
Madison						
Marion	Salem	690 00	62 36		215 37	536 99
Marshall	Wenona	3,100 00	225 00		225 00	3,100 00
Mason						
Massac	Metropolis	500 00	80 00		80 00	500 00
McDonough						
McHenry	Marengo					
McHenry	Woodstock	4,743 00			685 50	4,057 50
McLean	Bloomington	1,126 04	87 25		309 18	904 11
Menard	Petersburg					
Mercer	Aledo	400 00	27 90	100 00	427 90	100 00
Monroe						
Montgomery	Hillsboro	228 88			60 91	167 97
Morgan						
Moultrie						
Ogle	Oregon					
Ogle	Rochelle					
Peoria	Dunlap					
Peoria	French Grove			6 29		6 29
Perry						
Piatt	Monticello					
Pike	Barry					
Pike	Pittsfield	4,300 00	344 00		664 00	4,000 00
Pope	Golconda					
Pulaski						
Putnam						
Randolph	Sparta					
Richland	Olney					
Rock Island	Port Byron					
Saline	Eldorado	3,749 79	224 00		571 41	3,402 38
Saline	Harrisburg	2,845 29	133 12		144 58	2,833 83
Sangamon						
Schuyler	Rushville	903 74	106 00	616 69		1,626 43
Scott						
Shelby	Shelbyville	1,500 00		1,130 71		1,630 71
Stark	Toulon					
Stark	Wyoming	500 00		480 00		980 00
St. Clair	Belleville					
Stephenson						
Tazewell	Delavan	84 03	4 00		80 00	8 03
Tazewell	Mackinaw	91 15		510 00	91 15	510 00
Union	Anna	790 46			427 78	362 68
Union	Jonesboro	140 60	11 24			151 84
Vermilion	Catlin					
Vermilion	Danville	246 00		521 25		767 25
Vermilion	Hoopestown					
Wabash						
Warren	Monmouth	604 23		899 75		1,503 98
Washington						
Wayne						
White	Carmi	1,200 00	96 00		650 00	646 00
Whiteside	Albany					
Whiteside	Morrison	351 88	70 65		422 53	
Will						
Williamson	Marion	400 00	85 60	185 00	485 60	185 00
Winnebago	Rockford	3,500 00	210 00			3,710 00
Woodford	El Paso	1,631,75	126 80			1,758 55
Totals		$73,232,17	$4,321 84	$7,260 35	$11,454 86	$73,359 50

FAIR ASSOCIATIONS, CAPITAL STOCK, REAL ESTATE, VALUE OF IMPROVEMENTS, ETC.

Counties.	Location of Fair.	Amount authorized capital stock	Number of shares of stock issued.	Amount of stock issued	Par value per share of stock	Number of shareholders or members	Cash value of real estate and improvements thereon	Number of volumes in library.	Date of incorporation or organization.	Time of holding Fair in 1886.
Adams	Camp Point		497	$4,970 00	$10 00	343	$10,000 00		———, 1876	August 30 to September 3
Alexander										
Bond										
Boone	Belvidere	$6,070 00	607	6,070 00	10 00	200	12,000 00		March 16, 1872	September 7,8,9,10
Brown	Mt. Sterling	5,000 00	500	5,000 00	10 00	140	5,500 00		April 22, 1880	August 23,24,25,26,27
Bureau	Princeton								July 7, 1885	September 14,15,16,17
Calhoun										
Carroll										
Cass	Virginia					7			———, 1856	August 24,25,26,27
Champaign	Champaign	20,000 00	240	12,000 00	50 00	115	20,000 00		December 28, 1882	August 24,25,26,27
Christian	Assumption								September 11, 1886	October 14,15,16
Christian	Pana	10,000 00	500	10,000 00	20 00	128	12,069 58		September 11, 1885	September 21,22,23,24,25
Clark										
Clay										
Clinton										
Coles	Charleston		99			89			———, 1855	September 7,8,9,10,11
Cook										
Crawford	Robinson					180			July 14, 1880	September 21,22,23,24
Cumberland	Toledo	6,000 00	20	6,000 00	290 00	24	7,000 00		July 1, 1883	September 15,16,17,18
DeKalb	Sycamore	2,650 00	530	2,650 00	5 00	132	3,000 00		March 12, 1870	September 21,22,23,24
DeWitt	Clinton		465	4,650 00	10 00	266	4,500 00		October 4, 1870	September 13,14,15,16,17
DeWitt	Farmer City	6,000 00	204	5,100 00	25 00	169	6,900 00		June 12, 1883	August 31 to September 3
Douglas										
DuPage	Wheaton						500 00		———, 1854	October 5,6,7
Edgar	Paris		224	5,580 00	25 00	80	14,000 00		January 1, 1861	August 30 to September 3
Edwards	Albion						2,500 00		———, 1856	September 28 to October 1
Effingham										
Fayette	Vandalia	2,500 00	504	2,520 00	5 00		3,000 00		November 5, 1857	September 14,15,16
Ford										
Franklin	Benton						4,200 00		———, 1862	September 21,22,23,24
Fulton	Canton									September 7,8,9,10
Fulton	Avon	10,000 00	255	6,275 00	25 00	122	7,000 00		———, 1872	
Gallatin	Shawneetown	4,000 00	400	4,000 00	10 00	51	7,000 00		———, 1872	August 31 to September 4
Greene	Carrollton	8,000 00	124	6,200 00	50 00	90	6,000 00		March 20, 1875	October 19,20,21,22
Grundy										
Hamilton	McLeansboro	2,500 00	25	2,500 00	100 00	20	10,500 00	33	July 29, 1880	September 14,15,16,17
Hancock	Carthage	8,000 00	609	6,090 00	10 00	432	10,000 00		January 3, 1882	September 6,7,8,9,10
Hancock	Warsaw	4,000 00	400	4,000 00	10 00	235	5,500 00		July 1, 1882	August 23,24,25,26,27

Hardin	Elizabethtown	1,500 00		1,000 00	5 00	96	2,500 00			September 2, 1870	August 24, 25, 26, 27
Henderson	Biggsville					350	3,500 00			———, 1855	
Henry	Kewanee	15,000 00	150	15,000 00	100 00	147	15,000 00			September 30, 1885	September 27 to October 1
Iroquois	Watseka						4,000 00				
Jackson	Carbondale	5,000 00	80	4,000 00	50 00	23	4,500 00			November 20, 1879	October 11, 12, 13, 14, 15
Jasper	Newton	3,000 00	300	3,000 00	10 00	86	4,000 00			December 5, 1879	September 14, 15, 16, 17
Jefferson	Mt. Vernon	6,000 00	15	6,000 00	400 00	13	10,000 00				September 7, 8, 9, 10
Jersey	Jerseyville	20,000 00	513	12,825 00	25 00	445	21,263 27			March 2, 1869	October 12, 13, 14, 15
Jo Daviess	Warren	10,000 00	500	10,000 00	20 00	52	3,000 00			———, 1870	September 21, 22, 23, 24
Jo Daviess	Galena	25,000 00	2,500	12,500 00	5 00	300	10,000 00			———, 1866	October 5, 6, 7, 8
Johnson											
Kane											
Kankakee	Kankakee						6,000 00			———, 1856	September 21, 22, 23, 24
Kendall	Yorkville						5,000 00			———, 1852	August 31 to September 3
Knox	Knoxville					155	10,000 00	1,000		———, 1851	August 30 to September 3
Lake	Libertyville						2,500 00			———, 1853	September 22, 23, 24, 25
Lake	Waukegan	12,000 00	328	8,200 00	25 00	80	20,000 00			June 5, 1872	September 27 to October 2
LaSalle	Mendota	7,000 00	252	6,300 00	25 00	248	6,500 00			———, 1882	August 30 to September 4
Lawrence											
Lee											
Livingston	Fairbury	6,000 00	216	5,400 00	25 00	200	9,000 00			April 14, 1876	September 13, 14, 15, 16, 17
Logan	Atlanta	20,000 00	296	5,920 00	20 00	184	6,500 00	57		———, 1860	September 7, 8, 9, 10
Logan	Lincoln	15,000 00	150	15,000 00	100 00	108	15,495 00			April 30, 1884	August 30 to September 3
Macon											
Macoupin	Carlinville	6,500 00	253	6,325 00	25 00	240	6,500 00	29		May 1, 1880	August 31, 1880
Madison											
Marion	Salem	2,100 00	43	1,290 00	30 00	29	3,000 00			April 11, 1881	September 21, 22, 23, 24
Marshall	Wenona	12,500 00	292	7,300 00	25 00	292	5,500 00			September 11, 1874	September 20, 21, 22, 23, 24
Mason											
Massac	Metropolis	2,500 00	25	2,500 00	100 00	18	3,000 00			———, 1867	October 13, 14, 15, 16
McDonough											
McHenry	Marengo	2,200 00	220	2,200 00	10 00	71	2,500 00			June 18, 1881	September 1, 2, 3, 4
McHenry	Woodstock						14,343 00				September 14, 15, 16, 17
McLean	Bloomington	2,000 00	173	1,700 00	10 00	146	2,400 00			June 30, 1882	August 31 to September 3
Menard	Petersburg										September 7, 8, 9, 10
Mercer	Aledo						7,500 00			———, 1854	September 21, 22, 23, 24
Monroe							3,000 00			July, 1857	September 28 to October 1
Montgomery	Hillsboro										
Morgan											
Moultrie											
Ogle	Oregon	10,000 00	875	4,375 00	5 00	102	6,000 00				September 21, 22, 23, 24
Ogle	Rochelle	6,000 00	600	6,000 00	10 00	499	6,000 00			July 31, 1873	
Peoria	Dunlap									———, 1883	September 22, 23, 24
Peoria	French Grove					30	650 00			May 14, 1885	September 8, 9
Perry											
Piatt	Monticello	3,500 00	700	3,500 00	5 00	46	10,000 00			———, 1856	August 16, 17, 18, 19
Pike	Barry									———, 1885	October 15, 16, 17, 18
Pike	Pittsfield					102	6,000 00			———, 1852	September 7, 8, 9, 10
Pope	Golconda									———, 1859	October 6, 7, 8, 9
Pulaski											
Putnam											
Randolph	Sparta					255					October 13, 14, 15

Fair Associations, Capital Stock, Etc., 1886—Continued.

Counties.	Location of Fair.	Amount authorized capital stock	Number of shares of stock issued	Amount of stock issued	Par value per share of stock	Number of shareholders or members	Cash value of real estate and improvements thereon	Number of volumes in library	Date of incorporation or organization.	Time of holding Fair in 1886.
Richland	Olney									September 7, 8, 9, 10
Rock Island	Port Byron					30	$1,200 00		——, 1877	September 14, 15, 16
Saline	Eldorado	$7,000 00	399	$3,990 00	$10 00	101	6,550 00		June 15, 1881	August 24, 25, 26, 27, 28
Saline	Harrisburg	7,500 00	361	3,610 00	10 00	45	6,950 00		February 10, 1880	September 7, 8, 9, 10
Sangamon										
Schuyler	Rushville						4,000 00		——, 1856	August 17, 18, 19, 20
Scott										
Shelby	Shelbyville	5,000 00	362	3,620 00	10 00	118	5,500 00	5	April 13, 1872	September 14, 15, 16, 17, 18
Stark	Toulon						8,000 00		——, 1853	September 14, 15, 16, 17, 18
Stark	Wyoming	10,000 00	1,000	10,000 00	10 00	600	9,500 00	3	——, 1880	September 7, 8, 9, 10
St. Clair	Belleville	6,000 00	240	6,000 00	25 00	35			April, 1882	October 12, 13, 14, 15
Stephenson										
Tazewell	Delavan	6,000 00	570	5,700 00	10 00	310	7,200 00		July 12, 1879	September 13, 14, 15, 16
Tazewell	Mackinaw	2,000 00	200	2,000 00	10 00	200	2,596 00	21	September 9, 1883	September 14, 15, 16, 17
Union	Anna	7,000 00	700	7,000 00	10 00	238	8,000 00		March 24, 1880	August 31 to September 3
Union	Jonesboro					1,015	4,000 00		January, 1856	September 14, 15, 16, 16
Vermilion	Catlin								——, 1850	September 7, 8, 9, 10
Vermilion	Hoopeston	5,000 00	337	3,370 00	10 00	50	5,000 00		July 14, 1873	August 23, 24, 25, 26, 27
Vermilion	Danville									
Wabash										
Warren	Monmouth				10 00	297	6,500 00		August 7, 1852	September 14, 15, 16, 17
Washington										
Wayne										
White	Carmi		365	3,650 00	10 00	218	8,000 00		May, 1879	September 7, 8, 9, 10, 11
Whiteside	Morrison						2,000 00		May 28, 1872	August 24, 25, 26, 27
Whiteside	Albany	1,000 00	100	1,000 00	10 00	100	650 00		February 3, 1884	August 31 to September 3
Will										
Williamson	Marion						5,000 00		——, 1855	September 28 to October 2
Winnebago	Rockford	8,000 00	1,563	7,815 00	5 00	180	40,000 00		February 15, 1855	August 30 to September 3
Woodford	ElPaso	5,000 00	441	4,410 00	10 00	299	6,000 00		January 28, 1880	September 20, 21, 22, 23, 24
Totals		$357,020 00	21,322	$296,105 00	$34 00	10,976	$522,966 85	1,148		

REPORT OF PURE-BRED STOCK EXHIBITED AT ILLINOIS AGRICULTURAL FAIRS 1886.

Counties.	Location of Fair.	Short-Horn Cattle.					Hereford.					Devon.					Polled Angus.				
		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid	Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid	Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid	Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid
Adams	Camp Point	31	$161	$157	20	$75	9	$161	$97								1	$161	$12	1	$12
Alexander																					
Bond																					
Boone	Belvidere	2	49	4	2	4	13	49	30				$37				10	37	20		
Brown																					
Bureau	Princeton	16	134	108	8	49											9	134	75	9	75
Calhoun																					
Carroll																					
Cass	Virginia		104																		
Champaign	Champaign	61	337	303	19	39	16	82	68												
Christian	Assumption	24	25	12	1	1	9	20	5	7	4						4	15	2		
Christian	Pana	11	33	28	11	28	26	33	31	15	15						1	31	6		
Clark																					
Clay																					
Clinton																					
Coles	Charleston	28	224	169	28	169	24	224	197	11	85							224			
Cook																					
Crawford	Robinson	21	203	169	20	119															
Cumberland	Toledo	19	88	73	5	9	3	69	17	1	8										
DeKalb	Sycamore	34	63	59	23	44	6	63	24	6	24										
DeWitt	Clinton	26	226	153	26	153	9	66	46	9	46		66					66			
DeWitt	Farmer City	37	84	84	25	72	16	78	60								16	69	62	9	23
Douglas																					
DuPage	Wheaton	14	82	55																	
Edgar	Paris	45	749	734	34	511	16	194	149	5	78							144			
Edwards	Albion	29	96	73	22	53						10	42	29	10	29					
Effingham																					
Fayette	Vandalia	36	30	25	36	25															
Ford	Piper City																				
Franklin	Benton	1	53	8	1	8		53													
Fulton	Avon	84	139	111								2	96	13			13	124	63		
Fulton	Canton																				
Gallatin	Shawneetown	25	148	140	6	13	10	116	51												

Report of Pure-Bred Stock—Contined.

Counties.	Location of Fair.	Short-Horn Cattle.					Hereford.					Devon.					Polled Angus.				
		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid	Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid	Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid	Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid
Greene	Carrollton	23	$80	$66	12	$37															
Grundy																					
Hamilton	McLeansboro	28	77	77	28	77															
Hancock	Carthage	39	115	109			12	$115	$65								3	$115	$20		
Hancock	Warsaw	47	96	94	47	94	23	96	40	23	$40										
Hardin	Elizabethtown																				
Henderson	Biggsville	16	94	38		38															
Henry	Kewanee	16	102	100			8	100	47								7	100	59		
Iroquois	Watseka	21	160	120	21	120	18	160	135	24	62						3	84	26	3	$26
Jackson	Carbondale	11	70	53	11	53		70					70					70			
Jasper	Newton	32	84	49	25	32	20	84	15	19	10							84			
Jefferson	Mt. Vernon	17	148	110	13	63															
Jersey	Jerseyville																				
Jo Daviess	Galena	36	72	60	36	60											10	72	49	10	49
Jo Daviess	Warren	29	75	64	29	64	8	75	40												
Johnson																					
Kane																					
Kankakee	Kankakee	14					7														
Kendall	Yorkville		93					93										93			
Knox	Knoxville	22	82	82	22	82	4	82	24	4	24	10	82	52	10	52	30	82	75	30	75
Lake	Libertyville						15	83	21			3	41	6				80			
Lake	Waukegan	29	73	66	20	44	6	73	42	6	42						5	73	29	5	29
LaSalle	Mendota	30	74	65	8	4		50					50				2	50		2	11
Lawrence																					
Lee																					
Livingston	Fairbury	12	210	74	5	46	42	210	210	12	143	12	160	103	12	103	16	210	168	4	19
Logan	Atlanta	35	190	185			10	70	49								8	70	44		
Logan	Lincoln	5	70	22	5	22		70													
Macon																					
Macoupin	Carlinville	16	105	64	16	64															
Madison																					
Marion	Salem	17	39	17	17	17	10	61	51	10	51										

Marshall	Wenona	16	93	78			9	93	48							4	93	28		
Mason																				
Massac	Metropolis																			
McDonough																				
McHenry	Marengo																			
McHenry	Woodstock	38	62	62	38	62	10	62	26	10	26					9	62	29	9	29
McLean	Bloomington																			
Menard	Petersburg	6	54	21				54												
Mercer	Aledo	32	122	116	12	22	1	122	12	1	12					13	122	82	13	82
Monroe																				
Montgomery	Hillsboro		34		7	34		34		5	18		34		3	10		34		1	8
Morgan																				
Moultrie																				
Ogle	Oregon		54	43				54	6				54					54			
Ogle	Rochelle	11	88	49			11	88	56	11	56					14	61	61	14	61
Peoria	Dunlap																			
Peoria	French Grove																			
Perry																				
Piatt	Monticello	8	200	85	8	85	22	200	175											
Pike	Barry																			
Pike	Pittsfield	23	160	98	23	98										1	25	25	1	25
Pope	Golconda																			
Pulaski																				
Putnam																				
Randolph	Sparta	25	53	19	2	3														
Richland	Olney	9	75	57	9	57						7	75	29	7	29	5	60	14	5	14
Rock Island	Port Byron	9	42	25	9	25															
Saline	Eldorado	20	90	86								2	90	9							
Saline	Harrisburg																				
Sangamon																				
Schuyler	Rushville	30	113	102	30	102	8	113	32	8	32					1	113	8	1	8
Scott																				
Shelby	Shelbyville	37	204	199	37	204	32	190	162	16	151									
Stark	Toulon	15	82	62	15	62	3	72	12	3	12	6	75	38	6	38	10	76	44	10	44
St. Clair	Wyoming	17	74	72	17	72	3	74	8	3	8	6	74	37	8	37	7	74	36	7	36
St. Clair	Belleville	18	87	78	16	74		87					87					87			
Stephenson																				
Tazewell	Delavan	23	81	56	19	84	2	81	8							2	81	16	2	16
Tazewell	Mackinaw	39	22	7			17	22	5								22			
Union	Anna	18	84	81	7	34														
Union	Jonesboro	14	53	53	14	53	17	58	43	17	43									
Vermilion	Catlin	37	166	161	37	61														
Vermilion	Danville	20	140	120			1	140	10							16	140	140		
Vermilion	Hoopeston	37	382	382	11	143	16	382	295							5	382	88		
Wabash																				
Warren	Monmouth	34	97	82	21	34										4	97	16	4	16
Washington																				
Wayne																				
White	Carmi	33	127	127	8	9	9	127	82			13	127	93						
Whiteside	Albany	22	43	39	20	37		43					43					43		

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Short-Horn Cattle.					Hereford.					Devon.					Polled Angus.				
		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid	Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid	Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid	Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid
Whiteside	Morrison	55	$68	$68	....	.....	15	$67	$41	....	.....	....	.....	.....	....	.....	....	.....	.....	....	.....
Will	.....	....	.....	.....	....	.....	....	.....	.....	....	.....	....	.....	.....	....	.....	....	.....	.....	....	.....
Williamson	Marion	12	85	70	....	.....	....	85	.....	....	.....	2	$85	$21	2	$21	....	.....	.....	....	.....
Winnebago	Rockford	39	60	60	7	$17	17	60	44	17	$44	....	62	.....	....	.....	8	$60	$33	....	.....
Woodford	El Paso	37	268	157	37	157	17	204	114	....	.....	....	204	.....	....	.....	1	204	7	1	$7
Total	.....	1773	$8,500	$6,695	1005	$3,768	544	$5,212	$2,694	243	$1,034	73	$1,654	$430	58	$319	238	$4,078	$1,337	141	$665

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Holstein.					Ayrshire.					Jersey.				
		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Adams	Camp Point	24	$161	$137	15	$54						61	$161	$161	27	$31
Alexander																
Bond																
Boone	Belvidere	10	37	27								12	37	22	3	6
Brown	Mt. Sterling															
Bureau	Princeton	3	71	25	3	25						29	119	115	16	61
Calhoun																
Carroll																
Cass	Virginia															
Champaign	Champaign	4	52	27	4	27										
Christian	Assumption	1	15	1	1	1						3	18	3	3	3
Christian	Pana	7	33	19	7	19						5	33	18	5	18
Clark																
Clay																
Clinton																
Coles	Charleston	4	224	43	4	43						21	150	136	8	17
Cook																
Crawford	Robinson											5	64	26	5	26
Cumberland	Toledo											10	69	46	10	46
DeKalb	Sycamore						11	$63	$25			7	63	27		
DeWitt	Clinton											16	66	37	6	10
DeWitt	Farmer City											8	84	56		
Douglas																
DuPage	Wheaton	5	82	5								8	82	26		
Edgar	Paris	1	144	8	1	8						24	99	89	12	32
Edwards	Albion	6	43	23	6	23						6	42	17	6	17
Effingham																
Fayette	Vandalia	1	30	3	1	3						6	30	13	6	13
Ford	Piper City															
Franklin	Benton		53									12	53	28	7	8
Fulton	Avon											48	52	44		
Fulton	Canton															
Gallatin	Shawneetown											32	154	104	16	21

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Holstein.					Ayrshire.					Jersey.				
		Number of entries.	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Greene	Carrollton															
Grundy																
Hamilton	McLeansboro											7	82	33	7	33
Hancock	Carthage	25	115	105								37	115	105		
Hancock	Warsaw	27	96	79	27	96						26	96	75	26	75
Hardin	Elizabethtown															
Henderson	Biggsville	1	94	3	1	3										
Henry	Kewanee		86									6	86	46		
Iroquois	Watseka															
Jackson	Carbondale	12	70	44	10	39		70				4	70	24	4	24
Jasper	Newton	5	84	24	5	24						10	84	42	10	42
Jefferson	Mt. Vernon											13	66	37	13	37
Jersey	Jerseyville															
Jo Daviess	Galena															
Jo Daviess	Warren	9	75	46	9	46										
Johnson																
Kane																
Kankakee	Kankakee	5										11				
Kendall	Yorkville		93					93					93			
Knox	Knoxville	2	82	10	2	10		82				34	82	80	34	80
Lake	Libertyville	45	80	49								13	81	20		
Lake	Waukegan	12	73	62	12	62						7	73	42	7	42
LaSalle	Mendota		50					50					50			
Lawrence																
Lee																
Livingston	Fairbury	16	190	163	16	163						19	160	137	6	23
Logan	Atlanta	8	64	35								8	64	34		
Logan	Lincoln	1	70	5	1	5						4	70	23	1	5
Macon																
Macoupin	Carlinville															
Madison																
Marion	Salem	7	26	19	7	19										
Marshall	Wenona	7	93	24								2	93	20		

Mason																
Massac	Metropolis															
McDonough																
McHenry	Marengo															
McHenry	Woodstock	33	62	57	14	22	4					4	62	13	4	13
McLean	Bloomington											12	41	33	12	33
Menard	Petersburg											7	27	27		
Mercer	Aledo	10	75	35	10	35						1	60	4	1	4
Monroe																
Montgomery	Hillsboro		34					34					34			
Morgan																
Moultrie																
Ogle	Oregon		54					54					54			
Ogle	Rochelle											17	65	28	17	28
Peoria	Dunlap															
Peoria	French Grove															
Perry																
Piatt	Monticello	4	200	35	4	35										
Pike	Barry															
Pike	Pittsfield															
Pope	Golconda		53					53					53			
Pulaski																
Putnam																
Randolph																
Richland	Olney	6	60	16	6	16						13	60	42	13	42
Rock Island	Port Byron	5	42	18	5	18						6	42	21	6	21
Saline	Eldorado											2	87	9		
Saline	Harrisburg	2	60	6	2	6						1	60	5	1	5
Sangamon																
Schuyler	Rushville	23	104	90	9	22						21	104	89	21	89
Scott																
Shelby	Shelbyville											3	61	14	3	14
Stark	Toulon	15	76	58	15	58						7	76	24	7	24
Stark	Wyoming	18	74	59	18	59										
St. Clair	Belleville	27	87	78	13	23		87				36	87	87	36	87
Stephenson																
Tazewell	Delavan	6	81	40	6	40	12	81	$43	12	$43	31	81	61	31	61
Tazewell	Mackinaw		22					22				8	22	14		
Union	Anna	7	84	47	7	47						13	89	71	5	30
Union	Jonesboro	7	54	47	7	47						17	58	52	17	52
Vermilion	Catlin															
Vermilion	Danville	8	106	58									30			
Vermilion	Hoopeston		30									2	10	9	2	9
Wabash																
Warren	Monmouth															
Washington																
Wayne																
White	Carmi											9	127	81	1	8
Whiteside	Albany		43					43				8	43	21	1	3
Whiteside	Morrison	17	67	54								14	67	53		

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Holstein.					Ayrshire.					Jersey.				
		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Will																
Williamson	Marion		$85									1	$85	$15	1	$15
Winnebago	Rockford	33	60	$60	23	$38		$60				26	60	58	19	42
Woodford	El Paso		104													
Totals		469	$4,103	$1,744	271	$1,136	27	$792	$68	12	$43	776	$4,386	$2,518	436	$1,250

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Thoroughbred Horses.					Roadsters.					Percheron.				
		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Adams	Camp Point						128	$292	$277	94	$187	13	$81	$67	9	$48
Alexander																
Bond																
Boone	Belvidere		$40				23	50	30	10	17	29	50	35	27	33
Brown	Mt. Sterling															
Bureau	Princeton						158	384	124	127	335	20	154	92	20	92
Calhoun																
Carroll																
Cass	Virginia						66	167	82							
Champaign	Champaign															
Christian	Assumption						24	20	15			54	100	78	49	32
Christian	Pana						39	80	63	24	44	50	72	63	13	7
Clark																
Clay																
Clinton																
Coles	Charleston						95	197	187	68	98	2	40	20		
Cook																
Crawford	Robinson															
Cumberland	Toledo															
DeKalb	Sycamore	1	68	$5	1	$5	37	82	74	34	68					
DeWitt	Clinton															
DeWitt	Farmer City						38	104	99	19	67					
Douglas																
DuPage	Wheaton						14	68	48			2	64	16		
Edgar	Paris															
Edwards	Aloion	1	4	4	1	4	4	113	34	3	30	1	12	12	1	12
Effingham																
Fayette	Vandalia															
Ford	Piper City															
Franklin	Benton															
Fulton	Avon											11	91	51		
Fulton	Canton															
Gallatin	Shawneetown						48	240	132	24	42					

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Thoroughbred Horses.					Roadsters.					Percheron.				
		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Greene	Carrollton	8	$104	$50	5	$33	73	$104	$104	47	$72					
Grundy																
Hamilton	McLeansboro															
Hancock	Carthage						119	183	178			24	$108	$74		
Hancock	Warsaw	29	224	123	129	123	21	93	93	16	93	14	88	51	8	$51
Hardin	Elizabethtown															
Henderson	Biggsville											15				
Henry	Kewanee						35	142	122			17	114	68		
Iroquois	Watseka	1	18	8	1	8						38	175	150	30	120
Jackson	Carbondale	2	135	12			17	135	74	9	41	1	132	24	1	24
Jasper	Newton						48	88	67	48	42	12	88	26	6	20
Jefferson	Mt. Vernon						21	44	44	19	35					
Jersey	Jerseyville						19	655	655							
JoDaviess	Galena															
JoDaviess	Warren	44	119	93	44	93	37	676	566							
Johnson																
Kane																
Kankakee	Kankakee						39					7				
Kendall	Yorkville							55					55			
Knox	Knoxville	12	412	375	12	375	75	600	500	75	500					
Lake	Libertyville						30	67	69			13	41	30		
Lake	Waukegan						41	82	82	39	76	1	82	10	1	10
LaSalle	Mendota						57	217	140	34	87					
Lawrence																
Lee																
Livingston	Fairbury						89	173	173	55	110					
Logan	Atlanta						25	74	74							
Logan	Lincoln	6	94	36			69	94	91	30	28					
Macon																
Macoupin	Carlinville	2	30	12	2	12	97	167	100	60	66					
Madison																
Marion	Salem															
Marshall	Wenona	7	110	38			39	110	39			22	110	88		

Mason																
Massac	Metropolis															
McDonough																
McHenry	Marengo															
McHenry	Woodstock						37	66	49	26	34					
McLean	Bloomington															
Menard	Petersburg	26	66	40			167	968	903			3	50	8		
Mercer	Aledo	5	13	13	5	13	41	135	107	40	107	4	85	25	4	25
Monroe																
Montgomery	Hillsboro						32	353	266	29	191					
Morgan																
Moultrie																
Ogle	Oregon		61	47				64	56				31	15		
Ogle	Rochelle						46	89	76	43	59					
Peoria	Dunlap															
Peoria	French Grove															
Perry																
Piatt	Monticello	2	75	22			44	90	90	20	35					
Pike	Barry															
Pike	Pittsfield						63	110	110	63	110					
Pope	Golconda															
Pulaski	Mound City															
Putnam																
Randolph	Sparta															
Richland	Olney						88	160	131	86	120					
Rock Island	Port Byron															
Saline	Eldorado	7	87	42			13	40	40							
Saline	Harrisburg	3	75	19	3	19										
Sangamon																
Schuyler	Rushville	6	108	22			48	108	103	20	23					
Scott																
Shelby	Shelbyville	29	275	225	8	50	61	442	212	55	83					
Stark	Toulon	17	118	85	6	13	16	184	184	11	153					
Stark	Wyoming						50	114	114	50	114					
St. Clair	Belleville						50	78	76	41	65	9	47	29	4	12
Stephenson																
Tazewell	Delavan	61	131	94	27	35	76	120	119	52	53					
Tazewell	Mackinaw	6	45	6			42	45	40			9	22	15		
Union	Anna						3	86	21	3	21					
Union	Jonesboro															
Vermilion	Catlin						67	180	166	67	166					
Vermilion	Danville	7	145	90			99	296	285							
Vermilion	Hoopeston						26	56	56	10	38					
Wabash																
Warren	Monmouth	15	154	106	15	106	54	214	181	45	160					
Washington																
Wayne																
White	Carmi	12	154	95			41	126	114	19	33					
Whiteside	Morrison															
Whiteside	Albany						25	65	48	25	48					

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Thoroughbred Horses.					Roadsters.					Percheron.				
		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Will																
Williamson	Marion	8	$139	$60	2	$15	1	$18	$12							
Winnebago	Rockford	17	80	42	16	42	40	93	84	40	$84					
Woodford	ElPaso	19	81	42	2	1	63	82	74	43	65	57	$114	$83	51	$72
Totals		457	$3,165	$1,806	279	$946	2,918	$9,938	$8,054	1,623	$3,800	428	$2,006	$1,130	224	$559

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	French Draft.					Clydesdale.					English Shire.				
		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Adams	Camp Point	12	$80	$66	9	$48	29	$146	$139	25	$131					
Alexander																
Bond																
Boone	Belvidere															
Brown	Mt. Sterling															
Bureau	Princeton						26	154	108	25	103					
Calhoun																
Carroll																
Cass	Virginia															
Champaign	Champaign															
Christian	Assumption	6	20	5			6	20	4			9	$40	$4	9	$4
Christian	Pana															
Clark																
Clay																
Clinton																
Coles	Charleston						7	40	20	6	20					
Cook																
Crawford	Robinson						2	25	25	2	25					
Cumberland	Toledo															
DeKalb	Sycamore															
DeWitt	Clinton															
DeWitt	Farmer City															
Douglas																
DuPage	Wheaton						3	64	17							
Edgar	Paris															
Edwards	Albion						5	122	38	1						
Effingham																
Fayette	Vandalia															
Ford	Piper City															
Franklin	Benton															
Fulton	Avon															
Fulton	Canton															
Gallatin	Shawneetown						6	121	36							

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	French Draft.					Clydesdale.					English Shire.				
		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums offered	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Greene	Carrollton															
Grundy																
Hamilton	McLeansboro															
Hancock	Carthage						5	$198	$31			7	$108	$31		
Hancock	Warsaw						5	76	41	5	$41	13	76	51	10	$51
Hardin	Elizabethtown															
Henderson	Biggsville						6									
Henry	Kewanee						34	114	98							
Iroquois	Watseka						4	60	60	4	60					
Jackson	Carbondale															
Jasper	Newton	10	$88	$25	9	$20	2	88	36	2	36					
Jefferson	Mt. Vernon															
Jersey	Jerseyville															
Jo Daviess	Galena															
Jo Daviess	Warren															
Johnson																
Kane																
Kankakee	Kankakee	3					3									
Kendall	Yorkville							55					55			
Knox	Knoxville															
Lake	Libertyville						5	41	20			20	41	25		
Lake	Waukegan						23	82	67	23	67	2	82	18	2	18
LaSalle	Mendota						17	90	68	14	47					
Lawrence																
Lee																
Livingston	Fairbury	50	301	248	14	42	26	301	227	6	43					
Logan	Atlanta															
Logan	Lincoln	188	303	237	103	170	14	104	60	3	10	21	104	76	1	10
Macon																
Macoupin	Carlinville															
Madison																
Marion	Salem															
Marshall	Wenona	9	110	26			27	110	92			23	110	79		

Mason																
Massac	Metropolis															
McDonough																
McHenry	Marengo															
McHenry	Woodstock						15	66	18	15	18					
McLean	Bloomington	5	50	18	5	18	3	50	11	3	11					
Menard	Petersburg						3	50	12				50			
Mercer	Aledo						6	85	35	6	35	2	85	25	6	25
Monroe																
Montgomery	Hillsboro															
Morgan																
Moultrie																
Ogle	Oregon		32	15												
Ogle	Rochelle	34	89	84	32	74										
Peoria	Dunlap															
Peoria	French Grove															
Perry																
Piatt	Monticello	34	135	125	15	42										
Pike	Barry															
Pike	Pittsfield	32	107	107	32	107										
Pope	Golconda															
Pulaski																
Putnam																
Randolph	Sparta						4	18	9	4	9					
Richland	Olney						53	114	106	51	102					
Rock Island	Port Byron	1	25	4	1	4										
Saline	Eldorado	32	130	126												
Saline	Harrisburg															
Sangamon																
Schuyler	Rushville						27	108	99	18	75					
Scott																
Shelby	Shelbyville	51	117	115	47	100	77	176	169	70	150	26	58	54	24	50
Stark	Toulon	23	104	88	20	84	25	104	80	24	74	43	139	136	35	124
Stark	Wyoming															
St. Clair	Belleville	9	47	29	4	12	5	94	28	3	22					
Stephenson																
Tazewell	Delavan						64	121	107	38	100					
Tazewell	Mackinaw	10	23	14			15	45	27			4	45	13		
Union	Anna	6	103	37	6	37										
Union	Jonesboro															
Vermilion	Catlin															
Vermilion	Danville	13	40	40			29	142	130							
Vermilion	Hoopeston	25	164	130	5	18	20	164	120	8	100					
Wabash																
Warren	Monmouth															
Washington																
Wayne																
White	Carmi															
Whiteside	Morrison															
Whiteside	Albany	1	44	5	1	5	1	44	5	1	5					

Report of Prue-Bred Stock—Continued.

Counties.	Location of Fair.	French Draft.					Clydesdale.					English Shire.				
		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Will	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Williamson	Marion	.....	.....	.....	.....	.....	17	$147	$107	5	$45	.....	.....	.....	.....	.....
Winnebago	Rockford	12	$93	$50	12	$50	25	93	78	25	78	.....	.....	.....	.....	.....
Woodford	El Paso	.....	.....	.....	.....	.....	23	113	76	23	76	.....	.....	.....	.....	.....
Totals	.....	566	$2,205	$1,594	315	$831	667	$3,655	$2,404	410	$1,463	170	$993	$512	87	$282

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Cotswold Sheep.					Leicester Sheep.					Lincoln Sheep.				
		Number of entries..	Amount of premiums offered.....	Amount of premiums paid.....	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid.....	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid.....	Owned in County.	
					Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....
Adams	Camp Point	15	$49	$49	7	$24										
Alexander																
Bond																
Boone	Belvidere															
Brown	Mt. Sterling															
Bureau	Princeton	52	136	119	21	80										
Calhoun																
Carroll																
Cass	Virginia															
Champaign	Champaign															
Christian	Assumption	10	20	10	10	10										
Christian	Pana	10	19	18	3	5										
Clark																
Clay																
Clinton																
Coles	Charleston	14	28	28	9	20										
Cook																
Crawford	Robinson															
Cumberland	Toledo	5	20	16												
DeKalb	Sycamore	9	33	31												
DeWitt	Clinton	4	27	8	4	8										
DeWitt	Farmer City	19	23	23	2	4										
Douglas																
DuPage	Wheaton															
Edgar	Paris															
Edwards	Albion	1	6	4	1	4										
Effingham																
Fayette	Vandalia															
Ford	Piper City															
Franklin	Benton															
Fulton	Canton															
Fulton	Avon															
Gallatin	Shawneetown	22	29	29												

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Cotswold Sheep.					Leicester Sheep.					Lincoln Sheep.				
		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid	Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid	Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County. Number of entries	Owned in County. Amount of premiums paid
Greene	Carrollton															
Grundy																
Hamilton	McLeansboro	14	$27	$19	14	$19						4	$28	$9	4	$9
Hancock	Carthage															
Hancock	Warsaw															
Hardin	Elizabethtown															
Henderson	Biggsville															
Henry	Kewanee															
Iroquois	Watseka	8	50	24		24										
Jackson	Carbondale															
Jasper	Newton	10	36	14	10	10										
Jefferson	Mt. Vernon															
Jersey	Jerseyville															
Jo Daviess	Warren															
Jo Daviess	Galena	8	24		8	20										
Johnson																
Kane																
Kankakee	Kankakee	13														
Kendall	Yorkville															
Knox	Knoxville															
Lake	Libertyville	14	14	10												
Lake	Waukegan	8	45	31	8	31						33	45	11	33	11
LaSalle	Mendota															
Lawrence																
Lee																
Livingston	Fairbury	9	48	32	1	5										
Logan	Atlanta															
Logan	Lincoln	6	31	19												
Macon																
Macoupin	Carlinville	13	38	23	13	23										
Madison																
Marion	Salem	4	16	8	4	8										
Marshall	Wenona															

Mason																
Massac	Metropolis															
McDonough																
McHenry	Marengo															
McHenry	Woodstock															
McLean	Bloomington															
Menard	Petersburg		$20													
Mercer	Aledo															
Monroe																
Montgomery	Hillsboro	2	15	4	2	4										
Morgan																
Moultrie																
Ogle	Oregon															
Ogle	Rochelle															
Peoria	Dunlap															
Peoria	French Grove															
Perry																
Piatt	Monticello															
Pike	Barry															
Pike	Pittsfield															
Pope	Golconda															
Pulaski																
Putnam																
Randolph	Sparta	1	12	1												
Richland	Olney	5	27	8								20	27	27	16	22
Rock Island	Port Byron															
Saline	Eldorado	16	25	24												
Saline	Harrisburg	12	17	17	12	17										
Sangamon																
Schuyler	Rushville															
Scott																
Shelby	Shelbyville	21	44	44	21	44										
Stark	Toulon	9	40	25	9	25										
Stark	Wyoming															
St. Clair	Belleville	10	22	19	10	19	8	$22	$18	8	$18					
Stephenson																
Tazewell	Delavan	29	34	34	29	34										
Tazewell	Mackinaw															
Union	Anna	4	12	10	4	10										
Union	Jonesboro	2	28	15	2	15										
Vermilion	Catlin											11	35	28	11	28
Vermilion	Danville															
Vermilion	Hoopeston	27	26	23	27	23										
Wabash																
Warren	Monmouth															
Washington																
Wayne																
White	Carmi															
Whiteside	Morrison															
Whiteside	Albany															

Report of Pure-bred Stock—Continued.

Counties	Location of Fair.	Cotswold Sheep.					Leicester Sheep.					Lincoln Sheep.				
		Number of entries..	Amount of premiums offered.....	Amount of premiums paid.....	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid.....	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid.....	Owned in County.	
					Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....
Will.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Williamson	Marion.....	5	$24	$11	5	$11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winnebago	Rockford.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woodford.	El Paso.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	.....	411	$1,070	$750	236	$497	8	$22	$18	8	$18	38	$135	$75	34	$70

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	South Down Sheep.					Oxford Down Sheep.					Shropshire Down Sheep.				
		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Adams	Camp Point	29	$49	$49	20	$22										
Alexander																
Bond																
Boone	Belvidere															
Brown	Mt. Sterling															
Bureau	Princeton															
Calhoun																
Carroll																
Cass	Virginia															
Champaign	Champaign															
Christian	Assumption															
Christian	Pana											18	$19	$15		
Clark																
Clay																
Clinton																
Coles	Charleston	10	28	25	9	25						11	28	27		
Cook																
Crawford	Robinson															
Cumberland	Toledo	3	20	10								3	20	6	3	$6
DeKalb	Sycamore															
DeWitt	Clinton	10	27	12	10	12										
DeWitt	Farmer City	50	28	28	14	5										
Douglas																
DuPage	Wheaton	13	21	18	13	18										
Edgar	Paris															
Edwards	Albion	3	22	8								3	8	8	3	8
Effingham																
Fayette	Vandalia															
Ford	Piper City															
Franklin	Benton															
Fulton	Canton															
Fulton	Avon															
Gallatin	Shawneetown	5	29	12	1	2	7	$24	$19							

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	South Down Sheep.					Oxford Down Sheep.					Shropshire Down Sheep.				
		Number of entries..	Amount of premiums offered.....	Amount of premiums paid.....	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid.....	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid.....	Owned in County.	
					Number of entries....	Amount of premiums paid.....				Number of entries..	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....
Greene	Carrollton															
Grundy																
Hamilton	McLeansboro	10	$28	$24	10	$24	11	$28	$24	11	$24					
Hancock	Carthage															
Hancock	Warsaw															
Hardin	Elizabethtown															
Henderson	Biggsville															
Henry	Kewanee															
Iroquois	Watseka	6	50	18		18										
Jackson	Carbondale															
Jasper	Newton	14	36	22	10	15										
Jefferson	Mt Vernon															
Jersey	Jerseyville															
Jo Daviess	Warren															
Jo Daviess	Galena	11	24		11	22										
Johnson																
Kane																
Kankakee	Kankakee															
Kendall	Yorkville															
Knox	Knoxville															
Lake	Libertyville															
Lake	Waukegan	11	45	39	11	39										
LaSalle	Mendota															
Lawrence																
Lee																
Livingston	Fairbury															
Logan	Atlanta															
Logan	Lincoln															
Macon																
Macoupin	Carlinville															
Madison																
Marion	Salem															
Marshall	Wenona															

Mason																
Massac	Metropolis															
McDonough																
McHenry	Marengo															
McHenry	Woodstock	15	42	48								6	$42	$20		
McLean	Bloomington															
Menard	Petersburg	18	20	18												
Mercer	Aledo															
Monroe																
Montgomery	Hillsboro	8	15	13	8	13										
Morgan																
Moultrie																
Ogle	Oregon															
Ogle	Rochelle															
Peoria	Dunlap															
Peoria	French Grove															
Perry																
Piatt	Monticello	23	60	55												
Pike	Barry															
Pike	Pittsfield															
Pope	Golconda															
Pulaski																
Putnam																
Randolph	Sparta		12				12	20	9							
Richland	Olney	27	27	27	27	27										
Rock Island	Port Byron															
Saline	Eldorado															
Saline	Harrisburg											2	17	7	2	7
Sangamon																
Schuyler	Rushville															
Scott																
Shelby	Shelbyville	17	44	37	17	37										
Stark	Toulon	27	58	58	27	58										
Stark	Wyoming															
St. Clair	Belleville	18	26	22	18	22										
Stephenson																
Tazewell	Delavan	26	34	34	26	34										
Tazewell	Mackinaw															
Union	Anna	1	12	5	1	5						1	12	5	1	5
Union	Jonesboro	3	28	10	3	10						5	20	17	5	17
Vermilion	Catlin															
Vermilion	Danville	13	33	33												
Vermilion	Hoopeston	15	26	24	11	23										
Wabash																
Warren	Monmouth															
Washington																
Wayne																
White	Carmi															
Whiteside	Morrison															
Whitside	Albany															

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	South Down Sheep.					Oxford Down Sheep.					Shropshire Down Sheep.				
		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Will																
Williamson	Marion															
Winnebago	Rockford															
Woodford	El Paso															
Totals		396	$847	$649	247	$431	30	$72	$52	11	$24	49	$166	$105	14	$43

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Hampshire Down Sheep.					American Merino Sheep.					French, Silesian and Saxony Merino Sheep.				
		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Adams	Camp Point						29	$49	$49	10	$27					
Alexander																
Bond																
Boone	Belvidere															
Brown	Mt. Sterling															
Bureau	Princeton															
Calhoun																
Carroll																
Cass	Virginia															
Champaign	Champaign															
Christian	Assumption						2	10	2	2	2					
Christian	Pana															
Clark																
Clay																
Clinton																
Coles	Charleston						10	28	28							
Cook																
Crawford	Robinson															
Cumberland	Toledo						1	20	3	1	3					
DeKalb	Sycamore						14	33	30	5	11					
DeWitt	Clinton						10	27	13	10	13					
DeWitt	Farmer City						21	28	28	12	13					
Douglas																
DuPage	Wheaton															
Edgar	Paris															
Edwards	Albion						7	9	9	3	5	14	$22	$22		
Effingham																
Fayette	Vandalia															
Ford	Piper City															
Franklin	Benton															
Fulton	Canton															
Fulton	Avon						9	23	14							
Gallatin	Shawneetown															

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Hampshire Down Sheep.					American Merino Sheep.					French, Silesian and Saxony Merino Sheep.				
		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Greene	Carrollton															
Grundy																
Hamilton	McLeansboro						12	$28	$28	12	$28					
Hancock	Carthage															
Hancock	Warsaw															
Hardin	Elizabethtown															
Henderson	Biggsville															
Henry	Kewanee															
Iroquois	Watseka						4	50	6		6					
Jackson	Carbondale							21								
Jasper	Newton						7	36	16							
Jefferson	Mt. Vernon															
Jersey	Jerseyville															
Jo Daviess	Warren															
Jo Daviess	Galena															
Johnson																
Kane																
Kankakee	Kankakee															
Kendall	Yorkville															
Knox	Knoxville						10	18	10	10	10					
Lake	Libertyville	20	$18	$18			15	28	20							
Lake	Waukegan	13	45	37	13	$37	19	45	45	19	45					
LaSalle	Mendota															
Lawrence																
Lee																
Livingston	Fairbury						24	48	48	18	32					
Logan	Atlanta															
Logan	Lincoln															
Macon																
Macoupin	Carlinville						16	38	23	16	23					
Madison																
Marion	Salem															
Marshall	Wenona						8	36	36			3	$36	$18		

Mason																
Massac	Metropolis															
McDonough																
McHenry	Marengo															
McHenry	Woodstock						24	42	42	24	42					
McLean	Bloomington															
Menard	Petersburg						8	20	13							
Mercer	Aledo						9	42	25	9	25					
Monroe																
Montgomery	Hillsboro							15								
Morgan																
Moultrie																
Ogle	Oregon															
Ogle	Rochelle						14	36	23	14	23					
Peoria	Dunlap															
Peoria	French Grove															
Perry																
Piatt	Monticello															
Pike	Barry															
Pike	Pittsfield															
Pope	Golconda															
Pulaski																
Putnam																
Randolph	Sparta	9	12	5												
Richland	Olney															
Rock Island	Port Byron															
Saline	Eldorado															
Saline	Harrisburg															
Sangamon																
Schuyler	Rushville															
Scott																
Shelby	Shelbyville						17	44	44	17	44					
Stark	Toulon						9	15	15	9	15	12	40	38	1	
Stark	Wyoming															
St. Clair	Belleville							22								
Stephenson																
Tazewell	Delavan															
Tazewell	Mackinaw															
Union	Anna															
Union	Jonesboro															
Vermilion	Catlin	17	35	32	17	32	19	35	32	19	32					
Vermilion	Danville						16	33	32							
Vermilion	Hoopeston															
Wabash																
Warren	Monmouth															
Washington																
Wayne																
White	Carmi															
Whiteside	Morrison															
Whiteside	Albany															

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Hampshire Down Sheep.					American Merino Sheep.					French, Silesian and Saxony Merino Sheep.				
		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		No. of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Will																
Williamson	Marion	13	25	25	13	25										
Winnebago	Rockford															
Woodford	El Paso															
Totals		72	$135	$117	43	$94	338	$879	$634	210	$399	29	$98	$78	1	

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Berkshire Swine.					Poland-China Swine.					Chester White Swine.				
		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.	
					Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....
Adams	Camp Point	25	$72	$64			37	$72	$69	22	$16					
Alexander																
Bond																
Boone	Belvidere	8	37	21			15	37	21	5	11	1	$35	$3	1	$3
Brown	Mt. Sterling															
Bureau	Princeton						21	57	53	14	37	21	57	57	12	21
Calhoun																
Carroll																
Cass	Virginia															
Champaign	Champaign	29	30	30			36	30	30							
Christian	Assumption		10					20								
Christian	Pana						16	24	19	9	6					
Clark																
Clay																
Clinton																
Coles	Charleston	22	91	81	1	6	34	91	91	19	59					
Cook																
Crawford	Robinson															
Cumberland	Toledo	5	48	13	5	13	11	45	20	11	30	1	46	2	1	2
DeKalb	Sycamore	24	27	21	17	13	16	27	22			2	27	7	2	7
DeWitt	Clinton	6	42	18	6	18	23	42	32	23	32	17	42	26	17	26
DeWitt	Farmer City	20	69	60	8	15	36	69	65	10	20					
Douglas																
DuPage	Wheaton	5	19	16	5	16	8	19	17	8	17		19			
Edgar	Paris	24	142	115	24	115	32	142	123	32	123	26	109	97	24	82
Edwards	Albion	14	46	35	11	31	16	46	39	10	31					
Effingham																
Fayette	Vandalia						7	9	7	7	7					
Ford	Piper City															
Franklin	Benton	12	18	18	8	15	13	18	18	8	10					
Fulton	Canton															
Fulton	Avon	20	50	38			72	51	38			30	51	41		
Gallatin	Shawneetown	19	59	51	7	5	14	49	37	2	3	2	42	10	2	10

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Berkshire Swine.					Poland-China Swine.					Chester White Swine.				
		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Greene	Carrollton															
Grundy																
Hamilton	McLeansboro	12	$32	$32	12	$22	12	$33	$23	12	$23					
Hancock	Carthage	27	72	72			70	72	72			16	$72	$64		
Hancock	Warsaw	30	26	19	30	19	33	26	30	33	30					
Hardin	Elizabethtown															
Henderson	Biggsville	8	42	16		16	17	42	18		18					
Henry	Kewanee		42				27	42	40			15	42	30		
Iroquois	Watseka	18	60	18	18	18	26	60	26	26	26	2	60	6	2	$6
Jackson	Carbondale	5	35	27				35				1	35	8		
Jasper	Newton	18	55	50	18	40	31	55	51	31	51	5	55	15	5	15
Jefferson	Mt. Vernon	13	26	21	13	21	4	24	11	4	11					
Jersey	Jerseyville															
Jo Daviess	Warren															
Jo Daviess	Galena	13	42	32	13	32	30	42	35	30	35		42			
Johnson																
Kane																
Kankakee	Kankakee						25									
Kendall	Yorkville		42					42					42			
Knox	Knoxville											12	77	60	12	60
Lake	Libertyville	4	24	8			15	24	20	4	24	6				
Lake	Waukegan	5	45	18	5	18	17	45	45	17	45	4	45	18	4	18
LaSalle	Mendota															
Lawrence																
Lee																
Livingston	Fairbury	14	40	40	1	3	19	40	40	3	14	4	10	22	4	22
Logan	Atlanta															
Logan	Lincoln	2	46	12			40	46	46	16	28					
Macon																
Macoupin	Carlinville	9	47	28	9	28	13	47	28	13	28	4	47	20	4	20
Madison																
Marion	Salem	2	9	2	2	2	4	11	8	4	8					
Marshall	Wenona	15	38	33			34	38	33			3	38	17		
Mason																

Massac	Metropolis															
McDonough																
McHenry	Marengo															
McHenry	Woodstock						17	27	24	17	24	18	27	27	18	27
McLean	Bloomington	2	13	2	2	2	8	13	4	8	4					
Menard	Petersburg		24				22	24	24			7	24	16		
Mercer	Aledo	16	71	71	16	71	39	75	75	39	75		71			
Monroe																
Montgomery	Hillsboro	5	19	19	5	19	3	19	8	3	8	4	19	14	4	14
Morgan																
Moultrie																
Ogle	Oregon		12	9				12	11				12			
Ogle	Rochelle	5	46	20								10	46	34	10	34
Peoria	Dunlap															
Peoria	French Grove															
Perry																
Piatt	Monticello	28	67	67	10	26	28	67	63	15	46	2	67	12	2	12
Pike	Barry															
Pike	Pittsfield	5	30	15	5	15	12	30	25	12	25	9	30	23	9	23
Pope	Golconda															
Pulaski																
Putnam																
Randolph	Sparta	4	53	8			7	53	11	7	11	4	53	7	4	7
Richland	Olney	4	33	7			10	33	15	10	15	16	33	25	16	25
Rock Island	Port Byron						9	32	25	6	10					
Saline	Eldorado	16	33	28			24	33	26			4	28	11		
Saline	Harrisburg						4	26	11	4	11	1	28	4	1	4
Sangamon																
Schuyler	Rushville	17	62	52			24	62	62	24	62					
Scott																
Shelby	Shelbyville	19	49	40	19	40	18	49	49	18	49	3	7	7	3	7
Stark	Toulon	13	43	36	13	36	40	51	51	40	51		28			
Stark	Wyoming	3	28	12	3	12	39	71	39	39	71					
St. Clair	Belleville	28	27	27	13		21	27	27	14	7	3	27	6		
Stephenson																
Tazewell	Delavan						52	57	53	33	19	29	57	57	29	57
Tazewell	Mackinaw	4	14	4			51	23	23			13	14	5		
Union	Anna	10	27	21	8	16	8	27	27	8	27	4	27	18	4	18
Union	Jonesboro	6	20	15	6	15	5	20	15	5	15	2	20	15	2	5
Vermilion	Catlin	26	62	52	26	52	25	46	38	25	38					
Vermilion	Danville	14	90	80			24	90	78							
Vermilion	Hoopeston	5	65	21			32	65	61	4	9	6	65	26	6	26
Wabash																
Warren	Monmouth															
Washington																
Wayne																
White	Carmi	13	33	27	6	11	14	33	31	5	10	10	33	29	9	28
Whiteside	Morrison	7	29	29			24	29	26			8	29	21		
Whiteside	Albany															
Will																

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair,	Berkshire Swine.					Poland-China Swine.					Chester White Swine.				
		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.	
					Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....
Williamson	Marion....	14	$45	$38	9	$34	18	$45	$45	13	$38	.....	.....	.....	.....	.....
Winnebago.....	Rockford.....	9	36	19	9	19	29	34	34	29	34	2	36	1	2	1
Woodford.....	El Paso	16	58	54	.....	.....	34	58	52	24	35	.....	58	.....	.....	.....
Totals.....	.....	717	$3,572	$1,772	363	$834	1,465	$2,803	$2,277	775	$1,437	327	$1,832	$861	209	$580

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Victoria Swine.					Essex Swine.					Small Yorkshire Swine.				
		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.	
					Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....
Adams	Camp Point															
Alexander																
Bond																
Boone	Belvidere											1	$41			
Brown	Mt. Sterling															
Bureau	Princeton															
Calhoun																
Carroll																
Cass	Virginia															
Champaign	Champaign															
Christian	Assumption															
Christian	Pana						5	$24	$15							
Clark																
Clay																
Clinton																
Coles	Charleston															
Cook																
Crawford	Robinson															
Cumberland	Toledo															
DeKalb	Sycamore											5	27	$13		
DeWitt	Clinton															
DeWitt	Farmer City															
Douglas																
DuPage	Wheaton,							19								
Edgar	Paris												109			
Edwards	Albion						3	46	12	3	$12					
Effingham																
Fayette	Vandalia															
Ford	Piper City															
Franklin	Benton															
Fulton	Canton															
Fulton	Avon															
Gallatin	Shawneetown															

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Victoria Swine.					Essex Swine.					Small Yorkshire Swine.				
		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Greene	Carrollton															
Grundy																
Hamilton	McLeansboro															
Hancock	Carthage															
Hancock	Warsaw		$19													
Hardin	Elizabethtown															
Henderson	Biggsville															
Henry	Kewanee															
Iroquois	Watseka						2	$60								
Jackson	Carbondale											5	$35	$27	5	$27
Jasper	Newton												55			
Jefferson	Mt. Vernon															
Jersey	Jerseyville															
Jo Daviess	Warren															
Jo Daviess	Galena															
Johnson																
Kane																
Kankakee	Kankakee															
Kendall	Yorkville		42					42					42			
Knox	Knoxville															
Lake	Libertyville															
Lake	Waukegan															
LaSalle	Mendota															
Lawrence																
Lee																
Livingston	Fairbury															
Logan	Atlanta															
Logan	Lincoln															
Macon																
Macoupin	Carlinville															
Madison																
Marion	Salem															
Marshall	Wenona															

Mason																
Massac	Metropolis															
McDonough																
McHenry	Marengo															
McHenry	Woodstock															
McLean	Bloomington															
Menard	Petersburg	5	24	$17												
Mercer	Aledo															
Monroe																
Montgomery	Hillsboro		19													
Morgan																
Moultrie																
Ogle	Oregon															
Ogle	Rochelle															
Peoria	Dunlap															
Peoria	French Grove															
Perry																
Piatt	Monticello						4	67	$19							
Pike	Barry															
Pike	Pittsfield															
Pope	Golconda															
Pulaski																
Putnam																
Randolph	Sparta															
Richland	Olney															
Rock Island	Port Byron															
Saline	Eldorado															
Saline	Harrisburg															
Sangamon																
Schuyler	Rushville															
Scott																
Shelby	Shelbyville															
Stark	Toulon							28								
Stark	Wyoming															
St. Clair	Belleville						6	27	17			11	27	25	11	25
Stephenson																
Tazewell	Delavan															
Tazewell	Mackinaw						2	14	4							
Union	Anna						7	27	18	7	$18					
Union	Jonesboro						7	20	15	7	15					
Vermilion	Catlin															
Vermilion	Danville															
Vermilion	Hoopeston															
Wabash																
Warren	Monmouth															
Washington																
Wayne																
White	Carmi															
Whiteside	Morrison															
Whiteside	Albany															

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Victoria Swine.					Essex Swine.					Small Yorkshire Swine.				
		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid.....	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.	
					Number of entries...	Amount of premiums paid.....				Number of entries...	Amount of premiums paid.....				Number of entries...	Amount of premiums paid.....
Will	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Williamson	Marion	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winnebago	Rockford	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woodford	El Paso	.....	.....	.....	.....	.....	.....	$58	.....	.....	.....	.....	.....	.....	.....	.....
Totals	.....	5	$104	$17	.....	.....	36	$432	$100	17	$45	22	$336	$65	17	$52

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Suffolk Swine.					Duroc Jersey Red Swine.					Other Distinct Breeds.				
		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.	
					Number of entries....	Amount of premiums paid				Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....
Adams	Camp Point						48	$72	$72	18	$6					
Alexander																
Bond																
Boone	Belvidere						14	37	30	14	30					
Brown	Mt. Sterling															
Bureau	Princeton						15	54	54	15	11					
Calhoun																
Carroll																
Cass	Virginia															
Champaign	Champaign															
Christian	Assumption															
Christian	Pana															
Clark																
Clay																
Clinton																
Coles	Charleston						23	91	84	23	84					
Cook																
Crawford	Robinson															
Cumberland	Toledo						14	52	41							
DeKalb	Sycamore						5	27	11	5	11	5	$11			
DeWitt	Clinton						5	42	15	5	15					
DeWitt	Farmer City															
Douglas																
DuPage	Wheaton															
Edgar	Paris						29	109	98	13	38					
Edwards	Albion						12	39	29	12	29					
Effingham																
Fayette	Vandalia															
Ford	Piper City															
Franklin	Benton							18					18			
Fulton	Canton															
Fulton	Avon						3	50	5							
Gallatin	Shawneetown						11	42	32							

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Suffolk Swine.					Duroc Jersey Red Swine.					Other Distinct Breeds.				
		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums offered	Amount of premiums paid	Owned in County.		Number of entries	Amount of premiums paid	Amount of premiums paid	Owned in County.	
					Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid				Number of entries	Amount of premiums paid
Greene	Carrollton															
Grundy																
Hamilton	McLeansboro						$9	$33	$23	9	$23					
Hancock	Carthage						30	72	72							
Hancock	Warsaw							19					$19			
Hardin	Elizbethtown															
Henderson	Biggsville						9	42	14							
Henry	Kewanee						6	42	18							
Iroquois	Watseka															
Jackson	Carbondale															
Jasper	Newton							55					55			
Jefferson	Mt. Vernon															
Jersey	Jerseyville															
Jo Daviess	Warren															
Jo Daviess	Galena												42			
Johnson																
Kane																
Kankakee	Kankakee															
Kendall	Yorkville		$42					42								
Knox	Knoxville															
Lake	Libertyville	10	24	$16												
Lake	Waukegan	11	45	42	11	$42	5	45	22	5	22					
LaSalle	Mendota															
Lawrence																
Lee																
Livingston	Fairbury						7	40	36							
Logan	Atlanta															
Logan	Lincoln															
Macon																
Macoupin	Carlinville						5	16	10	5	10					
Madison																
Marion	Salem															
Marshall	Wenona															

Mason																
Massac	Metropolis															
McDonough																
McHenry	Marengo															
McHenry	Woodstock						12	27	19	12	19					
McLean	Bloomington															
Menard	Petersburg							24				13	24	$16		
Mercer	Aledo															
Monroe																
Montgomery	Hillsboro											4	19	14	4	$14
Morgan																
Moultrie																
Ogle	Oregon							12								
Ogle	Rochelle											4	22	7	4	7
Peoria	Dunlap															
Peoria	French Grove															
Perry																
Piatt	Monticello						4	67	18							
Pike	Barry															
Pike	Pittsfield						19	30	30	19	30					
Pope	Golconda															
Pulaski																
Putnam																
Randolph	Sparta															
Richland	Olney															
Rock Island	Port Byron															
Saline	Eldorado						9	28	26							
Saline	Harrisburg															
Sangamon																
Schuyler	Rushville						19	62	60							
Scott																
Shelby	Shelbyville															
Stark	Toulon						5	28	17	5	17					
Stark	Wyoming															
St. Clair	Belleville						14	27	27	11	27					
Stephenson																
Tazewell	Delavan						14	57	44	14	44	16	58	15	10	15
Tazewell	Mackinaw											13	14	5		
Union	Anna															
Union	Jonesboro	6	20	15	5	15										
Vermilion	Catlin															
Vermilion	Danville															
Vermilion	Hoopeston															
Wabash																
Warren	Monmouth						16	84	76	16	76					
Washington																
Wayne																
White	Carmi															
Whiteside	Morrison															
Whiteside	Albany															

Report of Pure-Bred Stock—Continued.

Counties.	Location of Fair.	Suffolk Swine.					Duroc Jersey Red Swine.					Other Distinct Breeds.				
		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.		Number of entries..	Amount of premiums offered.....	Amount of premiums paid	Owned in County.	
					Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....				Number of entries....	Amount of premiums paid.....
Will																
Williamson	Marion															
Winnebago	Rockford											13	$36	$31	13	$31
Woodford	El Paso		$58				15	$58	$48	8	$22					
Totals		27	$189	$73	17	$57	337	$1,543	$1,031	209	$514	$68	$318	$88	31	$67

ILLINOIS FAIRS.

The following tables give much interesting data concerning the Fairs held in this State:

STATE APPROPRIATIONS.

Since and including the year 1870, the munificent sum of $3,592,089 has been offered in premiums by the patrons of agriculture in this State to the enterprising people of the world, as an incentive to exhibit at our Fairs the best results in the breeding of stock, the skill of the inventor and manufacturer of labor-saving farm machinery and implements, the growing of superior specimens of agricultural products, etc.

All the citizens of the State have shared in the benefits to agriculture resulting from the holding of nearly fifteen hundred (1,393) Fairs in various portions of the State during the period named, and have never questioned the wisdom of paying the limited amount appropriated to county and other agricultural societies.

It will be seen from the following exhibit that the State appropriation to these societies the past nine years is but a small fraction of the amount of premiums offered by the Fair Associations:

Year.	Premiums offered by Fair Associations.	State appropriations to Agricultural Boards.	Per cent. State appr'n to premiums offered.
1877	$230,300	$10,100	4.38
1878	224,907	10,500	4.67
1879	241,083	10,800	4.52
1880	217,645	10,200	4.68
1881	209,802	10,000	4.76
1882	254,031	11,400	4.49
1883	248,616	11,300	4.54
1884	269,649	12,900	4.78
1885	247,385	12,800	5.17
1886	266,248	12,600	4.73

ILLINOIS FAIRS—1886.

The number of Fairs held in this State in 1886 is larger than in 1885; the number of entries at the Fairs in the past year has been equaled but once—in 1884; the amount of premiums paid in 1886 is the largest on record, with the exception of 1875.

The following table gives the number of entries and premiums offered and paid during the past seventeen years at the Fairs held in this State, as far as reported:

Year.	Number of Fairs reported.	Number of entries.	Amount of premiums offered.	Amount. of premiums paid.
1870	56	39,188	$108,145	$85,154
1871	49	51,373	117,381	92,426
1872	51	51,793	105,396	82,989
1873	70	63,105	151,324	112,360
1874	89	89,763	206,481	145,401
1875	87	98,879	263,476	192,903
1876	93	96,648	230,250	154,043
1877	94	113,925	230,300	168,237
1878	90	108,483	224,907	154,116
1879	93	120,634	241,083	175,900
1880	88	97,893	217,615	147,473
1881	82	90,585	209,802	140,862
1882	95	107,526	254,031	177,207
1883	88	117,126	248,616	179,573
1884	90	130,426	269,649	190,368
1885	88	127,666	247,385	176,046
1886	90	129,399	266,248	191,977
Total	1,393	1,624,412	$3,592,089	$2,567,035
Average	82	95,554	$211,299	$151,002

ENTRIES OF CATTLE.

The following table gives the per cent. of entries of the various breeds of cattle at all the Fairs held in the State the past ten years:

Description of Cattle.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.
Short-Horn, per cent	70	70	64	75	61	62	58	54	47	45
Hereford, "	4	4	3	4	7	6	7	11	11	14
Devon, "	6	6	5	3	3	4	5	4	2	2
Polled Angus, "	.....	.....	.....	.....	.....	1	1	.....	3	6
Holstein, "	4	5	5	2	5	5	4	6	14	12
Ayrshire, "	2	4	4	2	4	2	1	3	2	1
Jersey, "	14	11	19	14	20	20	24	22	22	20

It will be seen that there is a slight increase in the number of Herefords and Polled Angus, while the number of Devons remains as in 1886.

The proportionate number of Short-Horns, Holsteins, Ayrshires and Jerseys is somewhat less than a year ago.

ENTRIES OF HORSES.

The per cent. of the entries of the various breeds of horses exhibited at Fairs in the State for the past ten years is given in the following table:

It will be seen that more than half of the horses exhibited, 56 per cent., were roadsters.

Description of Horses.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.
Thoroughbred, per cent	22	14	20	11	11	10	6	11	15	9
Roadster, per cent	48	53	44	58	57	59	57	56	48	56
Percheron and French Draft, per cent	22	20	23	19	19	17	23	17	19	19
Clydesdale and English Shire, per cent	8	13	13	12	13	14	14	16	18	16

All the county fairs in the State, so far as reported, are included in the above tables.

STATE FAIR.

The following table gives the amount of premiums offered by the managers of the Illinois State Fair since its organization in 1853. It will be seen that the development has been healthy, and that each industry has received encouragement in proportion to its importance to the other interests demanding the fostering care of the organization.

The aggregates of the premiums are as follows:

Cattle	$87,156
Horses and Mules	102,686
Sheep	31,610
Swine	22,815
Poultry	11,622
Mechanic Arts	12,651
Farm Products	20,364
Horticulture	31,924
Fine Arts	3,294
Textile Fabrics	14,531
Natural History	9,435
Equestrianism	1,363
Dairy	240
Education	4,241
Miscellaneous	11,926
Speed	25,580
Total	$402,438

Amount of Premiums offered by the Illinois State Fair—1853–1886.

Place of Fair.	Year	Cattle	Horses & Mules.	Sheep	Swine	Poultry	Mechanics	Farm products	Horticulture	Fine arts	Textile fabrics	Natural history.	Equestrianism	Miscellaneous	Education	Dairy	Total
Springfield	1853	$435	$185	$150	$105	$13	$130	$112	$154		$121						$1,405
Springfield	1854																4,229
Chicago	1855																4,229
Alton	1856	1,150	1,018	160	140	53	595	350	82		427	$180		$75			4,230
Peoria	1857	3,040	2,255	330	210	151	845	379	180		316	175		55			7,936
Centralia	1858	2,084	2,005	845	200	62	325	164	628		204	30					6,547
Freeport	1859	2,324	2,175	665	185	63	360	285	641		203	75		233			7,209
Jacksonville	1860	1,865	3,185	870	285	35	1,770	251	580	$130	238	386		731			10,326
Chicago	1861	2,520	4,415	1,000	795	25	1,123	528	760	424	496	475		671			13,272
Peoria	1862	1,500	1,630	720	470	36	352	279	396		148	240		328			6,099
Decatur	1863	1,205	1,290	720	400	36	580	454	350		148	120		378			5,681
Decatur	1864	1,385	2,145	830	405	36	55	618	381		410	300		375			6,940
Chicago	1865	1,460	2,264	1,005	410	36	105	634	654		461	150		345			7,524
Chicago	1866	1,460	2,320	1,145	410	38	1,070	720	692		458	360		660			9,333
Quincy	1867	1,705	2,425	1,310	570	54	320	696	1,088		464	305	$180	120			9,237
Quincy	1868	2,010	2,765	890	570	54	261	637	1,140	75	485	305	330	80			6,602
Decatur	1869	2,023	3,110	920	695	64	340	812	1,045	75	475	305	330	60			10,254
Decatur	1870	2,320	3,345	1,025	1,400	185	515	867	1,104	95	515	305		110			11,786
DuQuoin	1871	2,820	3,355	785	1,400	255	395	717	993	80	519	305		310			11,934
Ottawa	1872	3,100	3,535	775	1,400	255	585	725	997	105	531	295	144	280			12,739
Peoria	1873	2,970	2,550	775	1,450	257	1,285	717	1,745	145	440	295	88	310			3,027
Peoria	1874	3,655	3,845	1,065	1,740	502	185	770	1,790	181	413	300	88	200			11,734
Ottawa	1875	3,375	5,430	1,020	1,740	647	185	1,088	1,949	181	421	440	88	475			11,039
Ottawa	1876	3,255	3,704	920	1,450	647	195	697	1,252	181	565	340	25	1,580			14,811
Freeport	1877	3,595	3,410	660	1,485	663	150	674	1,125	161	588	340	18	1,445			14,814
Freeport	1878	3,525	3,940	775	1,420	784	150	684	1,239	96	480	400		1,105	$300		14,898
Springfield	1879	3.495	4,001	1,290	1,485	812	180	711	1,289	96	557	235	Speed.	1,500	305		15,856
Springfield	1880	3,570	4,001	1,290	1,475	817	180	726	1,374	91	565	235	$2,340	500	322		17,486
Peoria	1881	4,220	3,746	1,290	1,475	812	170	759	1,286	91	587	335	1,100		330		16,201
Peoria	1882	4,340	3,776	1,320	1,550	812	105	802	1,276	176	575	335	1,000		416		16,583
Chicago	1883	4,915	4,756	1,320	1,835	812		802	1,404	383	592	335	6,000		534		23,688
Chicago	1884	4,395	4,866	1,880	1,835	857		1,198	1,530	478	753	476	5,700		583		24,551
Chicago	1885	3,220	4,560	1,980	1,760	867	95	710	1,485	493	721	519	3,100		666	$120	20,296
Chicago	1186	4,220	6,757	1,980	2,065	872	45	798	1,315	557	655	539	8,540		784	120	29,241

PURE-BRED STOCK.

The following table shows the number of entries, amount of premiums offered and amount of premiums paid to Pure-Bred Stock exhibited at the Fairs held in the State during the last six years.

Pure-Bred Stock.	1881.			1882.			1883.			1884.			1885.			1886.		
	No. of entries.....	Amount of premiums offered.....	Amount of premiums paid.....	No. of entries.....	Amount of premiums offered.....	Amount of premiums paid.....	No. of entries.....	Amount of premiums offered.....	Amount of premiums paid.....	No. of entries.....	Amount of premiums offered.....	Amount of premiums paid.....	No. of entries.....	Amount of premiums offered.....	Amount of premiums paid.....	No. of entries.....	Amount of premiums offered.....	Amount of premiums paid.....
CATTLE—																		
Short-Horn	1,253	$9,071	$6,546	1,527	$10,432	$7,404	1,634	$9,552	$7,427	1,381	$8,532	$6,085	1,605	$8,452	$6,219	1,773	$8,500	$6,695
Hereford	147	2,395	678	146	3,314	680	194	3,922	1,160	279	4,479	1,192	378	5,103	1,866	544	5,212	2,694
Holstein	75	1,881	608	125	2,457	638	127	2,699	630	312	3,347	1,214	478	4,515	1,910	469	4,103	1,744
Polled Angus	.....	.....	.....	.....	.....	.....	31	1,373	125	128	3,801	745	86	3,269	378	238	4,078	1,337
Devon	115	1,697	435	116	2,226	561	110	1,870	618	51	2,105	297	58	1,346	316	73	1,654	430
Ayrshire	77	1,417	322	48	1,688	196	31	1,300	68	57	1,608	233	43	777	227	27	792	68
Jersey	401	3,446	1,700	505	4,383	1,897	684	5,006	2,814	622	5,440	8,657	741	4,907	2,830	773	4,386	2,518
HORSES—																		
Thoroughbred	305	3,428	1,571	355	3,850	1,761	294	2,941	1,454	549	4,362	1,878	825	4,465	2,449	457	3,165	1,806
Roadster	1,638	10,071	8,068	2,149	9,694	8,716	2,751	10,997	7,923	2,863	9,057	7,006	2,707	7,826	6,358	2,918	9,938	8,054
Percheron	543	2,796	1,588	598	3,605	2,105	1099	4,468	3,227	753	3,633	2,147	1073	4,253	2,815	428	2,006	1,130
French Draft																566	2,205	1,594
Clydesdale	363	1,681	1,112	516	3,217	1,695	683	2,936	1,917	596	3,847	1,972	992	5,050	2,934	667	3,655	2,404
English Shire																170	993	512
SHEEP—																		
Cotswold	384	1,020	712	357	1,151	838	308	891	633	301	983	668	539	1,517	1,087	411	1,070	750
Leicester	596	1,416	1,055	751	1,948	1,372	580	1,487	1,093	516	1,716	1,184	129	414	212	8	22	18
Lincoln																38	135	75
Southdown	181	857	562	339	1,375	790	270	871	541	327	1,040	660	395	1,045	702	396	844	649
Oxforddown	250	652	483	113	484	179	191	550	278	93	519	238	103	211	146	30	72	52
Shropshiredown	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60	242	138	49	166	105
Hampshiredown	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	72	135	117
American Merino	188	668	397	161	815	592	174	667	415	210	796	496	448	1,170	735	338	879	634
French, Silesian and Saxony Merino	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29	98	78
Spanish Merino and other fine wools	217	862	502	331	1,072	664	453	1,003	758	469	999	680	38	79	65	.....	.....	.....

Pure-Bred Stock—Continued.

Pure-Bred Stock.	1881.			1882.			1883.			1884.			1885.			1886.		
	No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid	No. of entries	Amount of premiums offered	Amount of premiums paid
SWINE—																		
Berkshire	586	$2,758	$1,563	936	$2,996	$1,754	601	$2,795	$1,556	883	$3,138	$2,140	631	$2,466	$1,330	717	$2,572	$1,772
Poland-China	1,042	2,875	1,900	1,239	3,145	2,376	1,702	3,177	2,579	1,997	3,598	2,932	1,813	2,872	2,359	1,465	2,803	2,277
Chester White	261	1,600	766	266	1,825	869	234	1,612	716	589	1,937	975	381	1,389	683	327	1,832	861
Victoria	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	104	17
Essex	51	688	229	68	710	305	44	418	155	37	541	113	52	238	117	36	432	100
Suffolk	25	411	123	30	389	79	35	210	57	100	445	263	62	354	183	27	189	73
Small Yorkshire	.....	76	.....	14	152	24	2	24	1							22	336	65
Duroc Jersey Red	.....	.....	.....	.....	.....	.....	.....	.....	.....	369	1,886	999	460	1,827	1,103	377	1,543	1,031
Other distinct breeds	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	68	318	88

RECEIPTS AND EXPENSES.

The yearly receipts and expenditures, in connection with the management of the Illinois State Fair since its organization, in 1853, are given in the following table:

The economy on the part of the officers of the Fair for the past thirty-three years, as shown in the exhibit, is conclusive evidence of the ability and high character of the managers, who have cheerfully rendered the industrial classes of the State a most valuable service without other consideration than the satisfaction of having done well whatever they could to advance the general prosperity of the people of the State.

ILLINOIS STATE FAIR.

Place of Fair.	Year.....	Balance in treasury.	Receipts...	Balance and receipts...	Expenses.	Premiums.	Expenses and premiums.....	Balance in treasury.	Deficit ...
Springfield ..	1853	.....	$4,751 20	$4,751 20	$2,954 04	$944 45	$3,898 49	$852 71	.....
Springfield ..	1854	$852 71	5,492 14	6,344 85	1,754 76	3,146 79	4,901 55	1,443 30	.....
Chicago	1855	1,443 30	12,685 53	14,128 83	9,019 11	2,472 00	11,491 11	2,637 69	.....
Alton	1856	2,637 69	9,037 95	11,675 64	5,704 73	2,650 00	8,354 73	2,320 91	.....
Peoria	1857	2,320 91	16,877 91	19,198 82	6,542 85	8,104 54	14,647 39	4,551 43	.....
Centralia.....	1858	4,551 43	9,885 35	14,436 78	6,926 49	6,306 20	13,232 69	1,203 49	.....
Freeport	1859	1,203 49	15,611 20	16,814 69	7,318·31	6,967 46	14,285 77	2,528 92	.....
Jacksonville.	1860	2,528 92	14,820 05	17,348 97	9,137 99	8,881 86	18,019 85	.....	$670 88
Chicago	1861	.....	14,824 56	14,824 56	9,969 99	4,286 50	14,256 49	568 07	.....
Peoria.....	1862	568 07	4,268 00	4,836 07	4,870 30	**715 60	5,685 80	.....	849 73
Decatur	1863	.....	15,251 70	15,251 70	8,356 59	4,862 00	13,218 59	2,033 11	.....
Decatur	1864	2,033 11	21,401 71	23,434 82	9,974 16	8,145 88	18,119 74	5,314 08	.....
Chicago	1865	5,314 08	23,424 98	28,739 06	15,627 84	8,204 00	23,831 84	4,907 22	.....
Chicago	1866	4,907 22	16,913 19	21,820 41	11,247 39	7,209 55	19,456 94	3,363 47	.....
Quincy	1867	3,363 47	29,611 35	32,974 8'	13,298 51	10,608 14	23,906 65	8,068 17	.....
Quincy	1868	8,068 17	16,028 75	24,096 92	12,542 42	7,649 50	20,191 92	3,905 00	.....
Decatur.....	1869	3,905 00	23,502 70	27,407 70	11,356 95	9,227 79	20,584 74	6,822 96	.....
Decatur.....	1870	6,822 96	23,184 75	30,007 71	10,978 25	10,558 28	21,536 53	8,471 18	.....
DuQuoin	1871	8,471 18	16,715 25	25,186 43	10,261 28	10,060 46	20,321 74	4,764 69	.....
Ottawa	1872	4,764 69	24,994 15	29,758 84	9,880 43	10,750 44	20,630 87	9,127 97	.....
Peoria	1873	9,127 97	32,791 90	41,919 87	11,619 21	10,679 92	22,299 13	19,620 74	.....
Peoria	1874	19,620 74	25,189 85	44,810 59	14,040 61	12,541 00	26,582 61	*18,228 98	.....
Ottawa	1875	*18,228 98	8,571 20	26,800 18	12,300 36	13,612 47	25,912 83	887 35	.....
Ottawa	1876	887 35	†24,026 20	†24,913 55	13,099 10	5,977 42	19,076 52	5,839 03	.....
Freeport.....	1877	5,839 03	27,675 67	33,514 70	7,921 49	‡16,923 93	24,845 42	8,669 28	.....
Freeport.....	1878	8,669 28	17,875 45	26,544 73	§8,803 71	12,841 34	21,645 05	4,899 68	.....
Springfield ..	1879	4,899 68	26,757 23	31,656 91	‖13,678 56	15,003 96	28,682 52	2,974 39	.....
Springfield ..	1880	2,974 39	22,263 37	25,237 76	‖10,071 82	15,432 76	25,504 58	.....	266 82
Peoria	1881	.....	25,660 89	25,660 89	10,563 94	15,563 32	26,127 26	.....	466 37
Peoria	1882	.....	33,805 70	33,805 70	12,018 43	15,068 38	27,086 81	6,718 89	.....
Chicago	1883	6,718 89	55,818 89	62,537 78	16,535 83	22,258 25	38,793 08	23,743 70	.....
Chicago	1884	23,743 70	36,978 25	60,721 95	16,607 78	20,307 62	36,915 40	23,806 55	.....
Chicago	1885	23,806 55	35,979 06	59,785 61	¶16,447 68	19,461 66	35,909 34	23,876 27	.....
Chicago	1886	23,876 27	36,256 54	60,132 81	¶¶16,735 76	24,651 08	41,386 84	18,745 97	.....

* $10,000 invested in U. S, bonds $11,250.
† Includes proceeds $10,000 U. S. bonds $11,250.
‡ Includes 50 per cent. premiums unpaid in 1876, $5,518.
§ Includes $441.81 on account Fat Stock Show.
‖ Includes $1,861 24 on account Fat Stock Show.
**No Fair. Premiums on field trial.
¶ Includes $2,160.13 on account Fat Stock Show.
¶¶ Includes $1,950 62 on account of Fat Stock Show.

Respectfully submitted,

CHARLES F. MILLS, *Secretary.*

REPORTS FROM CONGRESSIONAL DISTRICTS.

EIGHTEENTH CONGRESSIONAL DISTRICT.

BY HON. D. B. GILLHAM, VICE-PRESIDENT.

To the Illinois State Board of Agriculture:

GENTLEMEN—Under your rule requiring each vice-president to report annually the condition of agriculture in his district, I herewith submit the report of the Eighteenth Congressional District:

While the condition of agriculture of the district for the year just closed was an improvement on that of its immediate predecessor, yet it was far from being satisfactory.

The *almost* total loss of the great staple product of the district in 1885, was little less than calamitous. From the close of the Turco-Russian war in 1856, down to the year 1878, the wheat crop had been the most profitable of any in which the farmers of the district could embark, as well as the most certain. They had learned to rely on it as their certain source of income, from which a living, all improvements and taxes were to be derived.

The low prices that had prevailed from 1879 to 1885, had weakened our farmers materially financially, and many had contracted debts, either for the purchase of more land or betterments of buildings (or perhaps to maintain a more extravagant system of living, the natural offspring of inflation periods), depending from year to year for a return of better times, which, alas! seldom returns to the relief of the debtor class until they are swept off the financial boards by the total failure of a special crop as in 1885, or by one of those financial revolutions that are sure to follow great inflation periods, as that of 1873, that always lands the debtor class high and dry upon the sands of bankruptcy.

CEREALS.

The wheat crop of 1886 was rather below the average for the district (about 16 bushels per acre), and the prices ruled low (from 55 to 76 cents per bushel), *average* 65½ *cents per bushel* was (taking into account the value of lands) actually below cost of production, as it cannot be produced on lands worth $60 per acre for less than 75 cents per bushel, with the ruling prices of labor and machinery of even the past five years; but it did give to the farmers some ready money, and in a lump that perhaps saved some from bankruptcy, yet gave little relief, in a general way, as figures prove it a losing deal, and one that, if prices do not advance, must ruin the farmer who pursues it, and that at an early day.

Corn on rich, loamy soils, owing to some drouth in the maturing months, while under an average yield, was of good quality, while upon the lighter, poorer soils, or on soils affected by hardpan, was very poor, and compared to 1885, while the yield was decreased at least 15 per cent. even on the best lands and 25 per cent. on the poorer lands, yet the loss is probably regained by increase in value of 3 to 6 cents per bushel, with a steady market.

Oats—For the years 1885-6 there was small differences either in yield or values. We are in latitude too far south to make the crop one of profit for anything more than purposes of home consumption, and yet if sown early, will generally yield fair returns.

HAY.

The grass crop, owing to plenty of moisture in the growing season, was in yield equal to any year in the last decade, and the beautiful weather that obtained during hay harvest enabled the husbandman to stack it in splendid condition; yet the prices, $7 to $9 per ton loose, or $8 to $11 per ton baled and in market, gave small profits to the growers, and on sward-bound meadows or light soils, where the yield was poorer, paid nothing.

CLOVER, HAY AND SEED.

Clover, as a pasture plant, has always paid bountifully, both as pasture and as a manurial and a recuperative aid to the soils; but to be cured and stored as hay is both difficult and, except in times of a drouth of the grass crop, will not prove profitable.

Within the last five years our farmers are giving more attention to the crop as a seed plant, which yielding, as in some instances it has, 7 bushels per acre, makes this plant at all times valuable as a regenerator of the lands upon which it is grown, makes it a paying market crop and should be encouraged.

POTATOES.

Three of the counties comprising the district have a frontage on the great river, and hence the American Bottom; both the natural adaptation of the soil, proximity to a great city for home market and access to cheap transportation (water) renders the crop one of importance to our farmers. In comparison with the crop of 1885, the yield of 1886 was not over 75 per cent., but the failure in yield was more than offset by greatly enhanced prices, which for the latter year has proven one of the most remunerative crops of the farm; and, too, as it is a grass atmospheric feeder, is not severely exhausting to the soil, and can be grown upon the same lands profitably for a long series of years, which renders it of great value.

LIVE STOCK—HORSES AND MULES.

The very profitable cultivation of wheat in the district for a long series of years, had the effect of engendering carelessness among the farmers in live stock matters, for as a fact, while getting annual yields of from 18 to 30 bushels per acre together with high prices, made it possible for them to purchase farm teams cheaper in the St. Louis market than to breed and grow them; the situation was such as to apply this rule to other classes of live stock as well as beasts of burden. That such an unusual and unnatural condition of things should continue, was not to be looked for by thinking, intelligent men.

The change had to come, and with decreased yield and values, the exhaustion of the soils, and a long consecutive series of New England winters, rendering the farmer assurance of a crop entirely uncertain, it did come, and for the benefit of successful agriculture none too soon. As a consequence our farmers are turning their attention more to stock breeding and growing, and the improved breeds and more especially of draft breeds of horses has now two or more representatives in each of the five counties. While neat cattle are not yet securing the attention that their merit demands, yet the same influences have increased the interest in a marked degree, especially in the improved dairy breeds, and the district can to-day boast of some large and elegant herds of Holsteins and Jerseys, with an admixture of Guernseys and Devons. While the interests in sheep husbandry, owing to the low prices of both wool and mutton, and that numerous and useless and almost numberless host of worthless cur dogs, is either "statue quo" or languishing.

SWINE.

That the hog seems to be the absolute favorite of our farmers over all other classes of domestic animals there is no sort of question; and this rule applies as well to the eighteenth district as others of a rural or semi-rural character.

This branch of farm husbandry is attempted by not only farmers, but the resident districts and suburban residents of our towns and villages, and to some extent even the urban districts of the cities.

The hog being a scavenger has its value to all; but aside from that peculiar office there is little or no profit in him except in connection with that of growing and feeding cattle, and of more recent years his aptitude for fatal disease has rendered that branch of husbandry exceedingly hazardous. Yet in the face of all these facts our farmers still persevere in its prosecution, showing a faith that is truly inexplicable, yet worthy of better results. As much interest and zeal has manifested itself over the district during the past year as ever there was, yet the terrible destroyer, swine plague commonly called *hog cholera* has been more or less fatal in every county, and I believe, from figures that I have been able to make, the business as a whole for the district has been conducted for the year with absolute loss.

The dairying interest, from causes before noted, has received marked attention, and the results so far have proven satisfactory; and those engaged in it are to be congratulated.

HORTICULTURE.

The district has for many years been somewhat notorious as one of the strongest and best of the State in this branch of husbandry, and is the home of one of the oldest and one of the the ablest conducted societies the "Alton Horticultural Society," in the State, notorious all over this and adjoining States for its good work, and for the valuable information it annually diffuses upon matters pertaining to this refined and I may say concrete branch of agriculture.

The apple crop of the year just closed was not up to the usual of average yield, and the depredation of insect life injured materially the partial crop that was produced, so that the profits of this valuable crop were not on the whole as satisfactory as usual in this district. Yet the crop was by no means a failure, and had the insects been less injurious, prices would have been higher and the crop a fairly paying one.

The peach crop, owing to the extreme and unusual severity of the past four winters, has failed to materialize, while the bearing trees are, if not dead, very materially injured, and a single crop would utterly destroy them; and it now appears that this once valuable crop for all portions of the district is hereafter to be classed with the things that were, and yet some of our people are hopeful and continue to plant more or less annually. May their fondest hopes be realized.

Pear blight has become so common that most of our horticulturalists have about abandoned all except the Standard or the pear upon its own roots, and even these are not exempt from the withering influences of blight; hence the business becoming too risky and precarious, few now of our people are doing much in it for market purposes, while most do manage to grow enough for home or family consumption.

Cherries, blackberries, raspberries and strawberries do well, and rare is the season when all small fruits are not in greatest abundance in the Eighteenth Congressional District.

To sum it all up the year just closed cannot be said to have been a highly prosperous one to the devotees of agriculture in this district, yet it may be said that it was one of plenty, and had it not been for strikes among the laborers in transportation and manufacturing interests, one of entire peace and contentment.

CANADA THISTLES.

An act concerning Canada thistles, approved and in force March 15, 1872, provides that—

"The commissioners shall, annually, before the first day of November, make a written report to the supervisors of the town, or to the county commissioners, as the case may be, which report shall be filed with the town clerk, or, in counties not under township organization, with the county clerk. The report made to the supervisor shall be publicly read at the annual town meeting. Said report shall state—

"*First*—Whether there are or not any Canada thistles growing in the town or precinct.

"*Second*—If any are growing, where, and how many, and when and how introduced.

"*Third*—A detailed statement of his treatment of each infected tract, with cost and result.

"*Fourth*—He shall report such other matters as may be required of him by the board of town auditors or by the county commissioners.

"*Fifth*—He shall state his views on their further treatment, and make such suggestions and recommendations as he may deem proper and useful.

"And he shall also forward a copy of said report to the Secretary of the State Board of Agriculture, who shall collate and report the same to the Governor by the first day of December of each year."

The following are the reports made to the Secretary of the State Board of Agriculture for the year 1886:

ADAMS COUNTY.

Report of ASA W. BLAKESLEY Commissioner of Canada Thistles, Quincy Township.

QUINCY, ILLINOIS, November 10, 1886.

Secretary State Board of Agriculture, Springfield. Illinois:

DEAR SIR—Herewith, I forward my report as Canada Thistle Commissioner for the town of Quincy, Adams county, Illinois, as required by law:

In accordance with the law regulating the extermination of Canada thistles, the undersigned appointed Canada Thistle Commissioner for said town, July 14, 1886, by your honorable board, most respectfully reports:

That immediately after his appointment he made a careful and thorough examination in relation to the existence of Canada thistles in said town of Quincy.

I found Canada thistles at the following places:

On lots 5, 6 and 7, block 3, Pease's addition, owned by the C., B. & Q. Co.

On lot 5, block 8, Pease's addition, owned by J. Wheeler and N. Pease.

On southeast corner of lot 13, in the subdivision of Pease's estate, owned by John Wheeler.

On lot 8, block 18, Keyes' addition, owned by C. O'Brock.

On lots 5 and 6, block 22, Keyes' addition, owned by H. A. Kespohl.

On lot 5, block 26, Keyes' addition, owned by R. S. Benneson.

On lot 6. block 26, Keyes' addition, owned by G. W. Doyle.

On lot 1, block 35, Keyes' addition, owned by H. F. J. Ricker.

On lot 2, block 35, Keyes' addition, owned by B. Hemming.

The owners of each lot enumerated, after personal notice, immediately cut the thistles, as required by law.

Canada thistles were also found in the streets and alleys, as follows:

In Olive street, between Spring and Oak.

In Second street, between Spring and Oak.

In Oak street, between Olive and Second.

In Elm street, on the north and south sides, between Second and Third.

In Vine and Third streets, at the intersection of Vine and Third streets.

In Vine, between Seventh and Eighth streets, and at the intersection of Sixteenth street and Payson avenue.

In the alley between Elm and Lind, and Second and Third streets.

In the alley between Jersey and York, and Second and Third streets.

During the month of July, I caused the thistles set forth as in the streets and alleys to be cut, and dug up with a hoe, and also again in September. At the time of cutting in July, I had salt, in large quantities, sprinkled on the roots of the thistles cut, but cannot say that I am satisfied that the application of salt was of any benefit in the permanent destruction of the thistles, although it may have checked their growth.

September 7th, as an experiment, I had a small patch of thistles dug up on Second street, and applied coal oil to the roots, as a destructive, but am unable to say that the application in any manner retarded the growth of the thistles.

From my experience, during a number of years, in the Canada thistle region of Central New York, in methods of destroying Canada thistles, I am of the opinion that they can only be exterminated by digging or plowing them up, from five to seven times each season, for two or three years in succession, being particularly careful that none grow to maturity, so as to propagate by the seed

Of all the pests and hindrances which obstruct the agricultural interests of the country, none equals that of the Canada thistle when it has once obtained a good foothold.

He who would rid himself of the great evil produced by Canada thistles must be vigilant, active and unceasing in his efforts

The origin and introduction of Canada thistles into Quincy was undoubtedly caused by the seed being brought in cattle cars, in transit from Chicago—the filth and rubbish being removed from the cars at Quincy, and deposited in various places, and the thistle maturing, the seed was blown about, and the thistles located at many new points, until the pest has assumed proportions which are at once alarming and requires constant efforts to suppress.

The expenses incurred since July 14, in endeavoring to control the spread of Canada thistles, including the search through the streets and alleys, and the improved and unimproved lots and lands within the limits of said town, (which includes the city of Quincy,) and the salt and coal oil used in experimenting in the destruction of Canada thistles, is but trifling in comparison with the experiments made in 1884 under the direction of the Board of Town Auditors, amounting to forty-five dollars and ninety-five cents ($45.95). In the opening of another spring, the battle of extermination should commence early, and be carried on with determination and zeal equal to the emergency.

BOONE COUNTY.

Report of ALONZO LINDERMAN, Canada Thistle Commissioner for Town of Boone.

Section 1, a lot, piece or parcel, 10 rods square, badly infected, situated in se. corner of nw. quarter of section No. 1. Land uncultivated and now owned by Helge Hermanson.

Section 1, a small piece situated in center of se. quarter section 1, slightly infected. Land now owned by Elling J. Sande

Section 2, a small piece situated in center of se. quarter of section 2, slightly infected. Land now owned by W. B. Linscott.

Section 3, a piece of land 10 rods square, situated near the center of nw. quarter of section 3; slightly infected. Land now owned by Dora Bowman.

Section 3, a piece of land 10 rods by 20 rods, infected; situated in ne. quarter of sw. quarter of section 3. Land now owned by Ole Nelson.

Section 5, a piece of land 6 rods by 8 rods, situated in sw. quarter of nw. quarter of section 5; slightly infected. Land now owned by Peter McIntyre.

Section 8, a piece containing 3 acres, about, very badly infected; cropped in oats; situated in se. quarter of ne. quarter of section 8. Land now owned by James Cook.

Section 20, 3 lots or pieces situated in se. quarter of section 20, containing about 2 acres; very slightly infected. Land used for pasture and now owned by A. G. Edgell.

Section 22, a piece of land about 4 rods square, badly infected, situated in sw. quarter of se. quarter of section 22, and owned by Nels Anderson.

Section 22, a piece about 10 rods square, slightly infected; cropped in oats; situated in se. quarter of section 22, and owned by Elenr Ellingson.

Section 23, a piece 20x24 rods, very badly infected; cropped in corn; situated in nw. quarter of nw. quarter of section 23. Land owned by James Alexander.

Section 23, a piece 3 rods square. badly infected; cropped in corn and grass; situated in se. quarter of se. quarter of section 23. Tenant, Will Eggleston.

Section 23, a piece in se. quarter of section containing 10 acres, scattered; used for pasture. Land owned by W. S. Frye.

I was not appointed until very late in the season, and therefore there may be patches which I have not found, as the population are very much opposed to having the report that Canada Thistles are found on their premises. In all cases where I have found thistles I have went according to law, and have strictly had them cut as often as they showed above ground. For next season I think that once or twice cutting in the spring and then sowing very thickly with buckwheat. I have fought thistles myself for the past eight years, and my experience is that buckwheat is the best exterminator yet found.

COOK COUNTY.

Report of MARK CRANDALL, Commissioner of Canada Thistles, Bremen Township.

The undersigned, Commissioner of Canada Thistles, would report that there is Canada Thistles now growing in said Town, on the land of the following persons, to-wit: C. Goesal, 10 patches; F. Smith, 5 patches; H. Koehler, 6 patches; W. Gilson, 1 patch; T. McLindon, 2 patches; F. Cool, 2 patches; H. Swartz. 1 patch; S. Fulton, 1 patch; A. Shaller, 2 patches; D. Cool, 3 patches; H. Bottels, 1 patch. The balance of the patches exterminated, or nearly so. The whole number of patches which I have found in three years is 88. This year I have found 31 patches. How they were introduced I have not been able to learn. The cost for each patch has been 60 cents this year. My treatment has been plowing and spading; threw up 8 inches deep twice every month from June to November. I believe said thistles should be treated another year in the same way, by which time they will probably be entirely eradicated.

Report of NEIL HAWKINS, Commissioner of Canada Thistles, Lemont Township.

To the Secretary of the State Board of Agriculture:

SIR—I submit to you the following report on Canada Thistles, from the time I was appointed Commissioner to the present time: On the farm of Mrs. Burke, occupied by Valentine Klapper, there are four or five big patches of thistles.

On H. M. Singer's land near Romeo, two patches.

On Mrs. Lacy's farm, occupied by Lars Russel, one big patch.

On the Murphy and McCulloch farms near Palos, there are three patches.

On Blake's farm, two patches.

On Kirk's (Dis. 8), two patches.

On Thomas Murray's, one patch.

On Joseph McCauley's farm, two patches.

On Thomas McGrath's place, one patch.

On Wm. Barry's farm, two patches.

On Polish Hill, one large patch.

On Illinois Stone Co.'s land, five patches.

On Peter McGuire's farm, one patch.

On Walker's land, one large patch near Red Gate; a large patch in section 22 joining Murphy's; also patch on 40 acres joining Roebuck's farm.

A large patch in gully near Peter McCann's.

There are two large patches on the highway between Lemont and Lockpôrt, Romeo road.

Two patches on Sag and Lemont road.

Two patches on Barne's 80 acres.

Four patches on Mrs. John Reid's land.

Three patches on Peter Helmhouse's land.

One patch on Charles Claffy's land.

Two patches on Solomon Kelsy's land.

Five very large patches on Sag Flats.

One big patch on Phil. Summer's land.

One big patch on Mrs. Heinc's farm.

Nearly all the above mentioned persons cut the thistles down twice. I cut all the thistles on the different roads, also the large patch on Sag Flats. In the latter place there are about 1½ acres covered with thistles. I hired a boy for three days to assist me in cutting these large patches. I have visited all these places twice and most of them three times.

Report of Joseph Doctor, Commissioner of Canada Thistles, Orland Township.

I here submit to you my report as Commissioner of Canada Thistles, which is as follows, for the year 1886:

Names of Owners.	Section.	Tracts.	Existing.	Destroyed.
Wm. Monk	1	1	1	.....
Mike Chure	1	1	1	.....
Fred Grosskopf	1	2	2	.....
Peter Chure	1	18	18	.....
Wm. Wolf	1	1	.....	1
Fred Rauch	1	3	3	.....
Charles Burkhardt	1	1	1	.....
Peter Chure	2	1	1	.....
Peter Brandt	2	1	.....	1
C. Wither	2	2	2	.....
George Kaler	2	1	.....	1
George Kaler	2	1	.....	1
L. Brandt	3	1	1	.....
Peter Brandt	3	3	1	2
John Morfitt	3	5	.....	5
Wabash, St. Louis and Pacific Railroad	3	2	1	1
Thos. Harwood	10	1	.....	1
Mike Sherman	10	2	.....	2
Joseph Knerim	11	1	1	.....
August Witt	11	3	.....	3
L. Storz	11	1	.....	1
Mrs. Wither	11	2	2	.....
Richard Pangborn	11	2	1	1
Henry Laun	12	1	1	.....
Henry Kish	12	5	3	2
Wm. Sippel	12	6	2	4
John Newman	12	5	1	4
Charles Burkhardt	12	2	2	.....
John Boldt	13	3	2	1
Ali. Poken	13	1	.....	1
Christ Ramer	14	1	1	.....
John Humphry	15	4	2	1
Highway	15	1	1	.....
Wm. Begley	15	1	1	.....
Wm. Begley	21	5	3	2
Conrad Paul	22	1	1	.....
Conrad Kamer	22	2	2	.....

Report—Continued.

Names of Owners.	Section.	Tracts.	Existing.	Destroyed.
Henry Newton	22	2	.....	2
Charles Kimmel	23	1	1	.....
Philip Bormit	23	1	1	.....
Wm. Kimmel	23	4	.....	4
C. Batenhausen	23	1	1	.....
Jacob Arnold	24	1	1	.....
Wm. Miller	24	1	1	.....
Sebastian Andres	24	1	1	.....
Henry Schilling	26	1	1	.....
Charles Holstein	27	2	2	.....
Charles Schilling	34	1	1	.....
Mrs. Mager	34	1	1	.....
George Batenhausen	36	1	1	.....
Chas. Finly	36	1	1	.....
Dedrich Mink	36	2	.....	2
Wm. Hewson	4	2	1	1
Charles Grange	4	2	1	1
Crist Groscough	4	7	2	5
Sidney Cammel	4	5	.....	5
Wm. Cox	4	4	2	2
Mike McGinnis	4	5	1	4
Joseph Rust	5	1	.....	1
N. O. Mitchel	5	4	.....	4
Col. McQuirter	5	1	.....	1
Thos. Crile	5	1	.....	1
John Bremner	7	1	.....	1
Bernard Klein	8	8	8	.....
Mary Bekenridge	8	2	.....	2
Christ Stonehagan	8	1	.....	1
Alfred Curry	9	4	4	.....
Thomas Harwood	9	2	.....	2
George Cox	9	8	5	3
John Humphry	9	2	.....	2
Thos. Grange	9	3	.....	3
Mr. Cotes	9	1	.....	1
Wm. Hewson, Sr.	16	1	.....	1
Wm. Hewson, Jr.	16	1	1	.....
George McGregor	16	2	.....	2
John Humphrey	16	1	.....	1
Fred Hewson	16	1	.....	1
Thos. Cooper	16	6	.....	6
Joseph Gee	17	3	2	1
Peter Spiece	17	2	1	1
Mike Hort	17	2	.....	2
Thos. Hewson	17	4	2	2
Joseph Doctor, Sr	17	8	.....	8
John Jounker	18	1	.....	1
Mrs. Kropaleen	18	1	.....	1
E. D. Gorham	18	5	1	4
Mrs. Agate	19	1	1	.....
John Sayers	20	3	.....	3
Fred Hoppelman	19	2	1	1
H. R. Allen	20	4	4	.....
Chancy Miller	21	4	1	3
John Humphrey	21	2	.....	2
George McGregor	21	2	3	.....
Henry Newton	21	1	.....	1
Mrs. Batenhausen	28	4	2	2
F. T. Roberson	28	4	4	.....
H. K. Allen	29	16	16	.....
Wabash, St. Louis and Pacific Railroad	29	6	6	.....
Charles Graper	30	1	.....	1
Martin Krapp	30	13	13	.....
Chas. Goodspeed	31	5	5	.....
Chas. Hersh	30	6	4	2
John Martie	31	2	.....	2
Frank Moughy	31	3	2	1
Mary Staley	31	1	.....	1
Anthony Cole	33	2	.....	2
Charles Nutson	33	5	.....	5
George Barnes	33	1	.....	1
Mr. Rosemier	33	1	1	.....
Total	.....	307	166	141

You will see that out of 307 tracts there are 141 destroyed and 166 tracts still existing. The first year of my term, which was 1883, the number of tracts discovered was 51, and they have increased up to the present time to the number of 307 tracts, 141 of which we have destroyed and 166 still existing. Had my district been near any village or city so that I could have hired help, I would have had them about all destroyed, but as it is my town is away from villages and cities. It is impossible to hire anyone to work at them in order to destroy them, for the reason that the time happens to be in the busiest time of the year, that is, between the 20th of June and the last part of August. If they were ploughed four times during that part of the season it would insure their destruction, The law should be so amended so as to compel each individual that owns thistles, after being notified by the commissioner, there should be a fine for every neglect of tending to them.

Report of CHARLES B. LANE, Commissioner of Canada Thistles for the Town of Worth.

The undersigned Commissioner of Canada Thistles would submit to you the following report:

1. There is Canada Thistles growing in said town.

2. There is at least thirty patches in said town, in different sections or portions of said town.

3. I have given my personal attention to the thistles growing on the public highways by cutting them three times as close to the ground as they could be cut, and I have ordered all persons having Canada Thistles growing on their land to cut said thistles at least three times a year.

I am of the opinion that the Canada Thistles can not be exterminated, and I would recommend that such a person may be appointed Commissioner of Canada Thistles who will look after said thistles, and notify all persons having Canada Thistles on their farms that the said thistles must be kept from going to seed, and any or all persons neglecting or refusing to perform the same may be arrested and dealt with according to law.

DEKALB COUNTY.

Report of H. C. DOWNER. Commissioner of Canada Thistles, Milan Township.

The undersigned, Commissioner of Canada Thistles of the town of Milan, county of DeKalb. would report that said thistles are now growing on the farms of the following named persons, in said county:

John Duffy, 1-10 acre near south side of section 2.

William Browne, ⅜ acre near northwest corner of section 2.

Henry Smick, 4 square rods near west side of section 3.

J. F. Allison, 1 3-10 acres near center of section 3.

J. F. Allison, ¼ acre near northwest corner of section 3.

Dodge Est.. 3-10 acre near northeast corner of section 4.

James Condon, 6 square rods near north side of section 5.

Wm. Abbott, ¼ acre near center of section 10.

Wm. Browne, very few near center of section 11.

Wm. Browne, 2 square rods near northeast corner of section 11.

Michael O'Bryan, 1-20 acre near center of section 13.

Michael O'Bryan, ¼ acre near northwest corner section 13.

John Watson, 1-10 acre near west side of section 15.

Pat. M. Hart, 4 square rods near east side of section 16.

Michael Hickey, 1 10 acre near east side of section 21.

Pat. Quinn, 1-5 acre near center of section 22.

Ann Skelly, very few near center of section 22.

Ann Skelly, very few near north side of section 22.

McGuire Bros., ¾ acre near southeast corner of section 24.

McGuire Bros., scattering on two or three acres near northeast corner of section 24.

Joseph Lawler, 1-20 acre near north side of section 36.

Total, as near as can be calculated, five acres.

The undersigned Commissioner would report that he has from time to time during the term of his office, advised with the owners or occupants of the farms represented by the above names, as to the treatment of said Canada Thistles on their lands, always contending that, regardless of methods employed, if the plants were prevented from appearing above the surface of the ground for a reasonable time, their complete destruction must certainly follow.

Though a majority of the above named persons have made some efforts to check or eradicate said thistles, yet with but a few exceptions they have not met with desired success; the trouble being, not so much in the methods employed, but in the half-hearted, intermittent way in which the work was carried on.

As an excuse for neglecting their destruction, the assertion that they can not be killed is unworthy of belief, when it is known that no plant can live if continually deprived of all growth above ground. And, also, that the judicious application of salt, kerosene, benzine, etc., is a positive means of destroying the pest.

In view of the above facts, and considering that certain persons whose names appear in the above list can not be relied upon to properly attend to the matter themselves, therefore, said Commissioner would suggest and recommend that in order to effectually stamp out said thistles in said town, possession of a number of the infected tracts must be obtained according to law and that stringent measures be adopted to eradicate the pest.

DeWITT COUNTY.

Report of Washington Bailey, Commissioner of Canada Thistles, Wilson Township.

The undersigned, Commissioners of Canada Thistles for the town of Wilson, in said county would report that said thistles are now growing in said town on six farms and one patch on the public road in said town.

On the farm of Hattie and Sol. Williams, in section 36, about twenty feet square. I have taken control of this patch on account of neglect this year by the owner.

On the farm of John Curl there was a patch about forty feet square last year. I found one plant growing this year. I think they are nearly destroyed; they have done nothing but plow and hoe. This patch is on thin clay soil. I am satisfied they are easier killed than on black loam. This patch is in section 36. I have taken control of this patch.

One patch on the farm of Henry Bell, in section 32. This patch is about two rods wide and four rods long. They have been there about fifteen years. How they got there I cannot find out. He has been digging some and neglecting some, so I have taken control of them myself.

One patch on the farm of John Davis, in section 29. There is about three acres in this patch, I think. This patch is the oldest patch in the township. He has done nothing but plow twice this year. I have advised with the occupants last year, and advised them to plow and harrow often in and through the dry months. I have advised with the owner this year, and he neglects to do as I requested him and as he agreed with me. I was on the ground the 29th of the month.

One patch on the Snell farm, in section 16, about two rods wide and four rods long, running to a point. They have done nothing but plant it in corn and tend the corn, though he promised me to dig them and pick out the roots. That was the occupant.

One patch on the farm of Henry Wagoner, in section 16, about thirty-two yards wide and one hundred and nine yards long. I advised with Wagoner; told him to plow and harrow this year; not to put a crop on the patch, but he planted it in broom corn and let them grow along the hedge, and I found six gone to seed, so I have taken control of this patch. Wagoner appealed to the commissioners of highways; decision in favor of the thistle commissioner. One patch on the public highway on the line between section 15 and section 16. This patch connected with the Wagoner patch and the Snell patch, the Wagoner lying east and the Snell patch lying west; about a half acre of this patch.

My treatment of this patch was: I hired men at $1.50 a day, they board themselves and work ten hours, and I had the thistles dug out by the roots; that is, I had all the roots dug and picked out and burned. It took twenty-four days work, besides my help a part of my time. The labor of the men was $36; salt and kerosene oil 50 cents. Elmer Gregory 15 cents for cutting thistles. Wagoner, for salting on the public road, $1. This is the amount of the expense for this year, outside of my time. Last year I spent four days, but did not get my account in till this year, on account of sickness when the auditors met. My time this year up to August 31 was seven days; the expense of destroying this year is $37.65. My time, seven days, $14; last year, $8; total, $59.65.

This digging, I am sure, is the only way to get rid of Canada Thistles. I know of one man that got rid of them, close by me, years ago in this way. I had this Sol. Williams to dig a patch last year, and there has not been a Canada Thistle growing on that patch since. I have watched it close. There has been no crop on the ground since, and no thistles. I know they are dead. This patch on Williams' land is another patch found this year. I have taken control of all the patches except two, and I intend to take full control of them for failing to make any effort to destroy the thistle.

Digging should be done when the ground is dry deep, so it will crumble and separate from the thistle roots. You can soon tell a thistle from any other root, just as you can tell the top from any other top.

Salt won't kill or destroy. Kerosene won't destroy on account of the roots vining around under the ground. If all the roots ran straight down, so the oil and salt could follow them, and you put enough on, it might destroy them, but enough to destroy them would cost, I believe, ten times as much as to dig and pick them. I have found fourteen thistles growing on this patch since I had it dug, and I have taken them out, root and all. They came from roots we had missed. They ought to be watched close a year or two yet, and if any come, take them out root and branch.

DuPAGE COUNTY.

Report of FRANK HOFFMAN, Commissioner of Canada Thistles, Town of Milton, as follows:

No.	Acres.	How destroyed.	No.	Acres.	How destroyed.
15	½	Hoed	94	1-80	Cut
16	21	Cut	96	1-16	Pulled
18	1½	Cut	98	1-80	Dug
20	1	Cut	100	¼	Salted
22	1-10	Dug	102	⅓	Cut
24	1-16	Dug	104	1-16	Gasolined
26	1	Dug	106	1-80	Cut and salted
28	½	Plowed	108	1-100	Dug
30	¼	Plowed	110	1-40	Cut
32	½	Pulled	112	1-25	Cut
34	70	Some cut, some prosecuted	114	½	Salted
36	1	Plowed	116	1-25	Cut
38	½	Cut	118	1-100	Dug
40	1-100	Dug	120	¼	Cut
42	1-16	Cut	122	1	Cut
44	½	Cut	124	¼	Cut
46	1-16	Cut	126	1-100	Dug
48	1-80	Cut	128	1-100	Cut
50	¼	Cut	130	1-80	Dug
52	1-100	Dug	132	⅛	Cut
54	30	Cut	134	1½	Cut
56	¾	Cut	136	1-100	Cut
58	½	Cut	138	1	Dug
60	1-100	Cut	140	1-200	Cut and salted
62	1-80	Cut	142	¼	Cut
64	1-80	Cut	144	1-60	Cut
66	1	Plowed	146	1-60	Cut
68	1-60	Cut	148	1-100	Dug
70	1	Cut	150	1-100	Cut
72	¼	Cut	152	½	Cut
74	1	Dug	154	¼	Neglected and prosecuted
76	1-100	Plowed	156	1-80	Dug
78	1	Covered with pomace	158	4	Neglected and prosecuted
80	1-80	Cut	160	⅛	Cut
82	1-100	Cut	162	1-20	Cut
84	1	Cut	164	1-60	Dug
86	¼	Cut	166	1-100	Gasolined
88	1-100	Cut	168	½	Dug
90	1	Cut	170	1-16	Cut
92	1	Cut	172	1-16	Cut

This is the amount of Canada thistles growing in the town of Milton, 172 patches from 8 feet square up to 20 acres. The number of acres is about 120. In my opinion the best way to kill Canada thistles is to plow them every 15 or 20 days from spring to autumn, or cover them with apple pomace.

IROQUOIS COUNTY.

Report of J. H. CAREY, Commissioner of Canada Thistles, Ashkum Township.

The undersigned commissioner of Canada Thistles for the town of Ashkum, in the county of Iroquois, State of Illinois, would report that said thistles are now growing in said town on the farm of A. Danforth, sec 29, R. 14 W., and the same are supposed to have been brought here by sheep imported from Canada. The agent has agreed to do everything in his power to rid the land of them. Nothing has been done as yet but will proceed in the spring.

Report of H. P. HICKS, Commissioner of Canada Thistles, Onarga Township.

Pursuant to a petition presented to the board of town auditors requesting action towards eradicating Canada Thistles from the southeast quarter of section 25, T. 26 N., R. 14 W. 2d P. M., the undersigned was, on the 7th day of September, 1886, appointed commissioner of Canada Thistles, and would respectfully report that he visited said locality and found a space of about 3¼ square acres upon which said thistles had become well seeded and oats had been grown thereon and shocked. He caused the shocks of oats and thistles (50 in number) to be stacked and burned and the ground plowed.

It is claimed that their introduction was made by a mixture with Calcutta flax seed about twelve years ago.

It is proposed in the future to prevent the growth of the plants by frequent plowings.

A more extended investigation will be made the coming year and a thorough system enforced with a view of utter extinction.

The expense incurred in the matter is three visits of one-half day each; total $3.

KENDALL COUNTY.

Report of W. H. SHUFELT, Commissioner of Canada Thistles, Lisbon Township.

In accordance with chapter 18, section 6, Revised Statutes of 1877, I herewith send report as Canada Thistle commissioner for Lisbon township.

First—There are thistles growing in the above named town.

Second—There are three pieces on section 11, one on section 14, one in section 26 and two in section 36. The patches in section 11 are six rods square, and two by six, and four by four rods respectively. The piece is section 14 is about ten by fourteen rods square; on section 26 two rods square; on section 36 one is two rods square, the other four by eight rods square.

Third—I have recommended spading them up. One piece in section 36 I spaded up in June, and thinned them out to quite an extent, but in my intercouse with those that have had experience with thistles, weekly cutting with hoe just under the surface is recommended as an effectual remedy. I have found no thistles on the highway in said town and have only advised with those that have thistles on their lands, so have not expended any money in their extermination except time in looking after them.

LAWRENCE COUNTY.

Report of W. H. CORRIE, Commissioner of Canada Thistles, Lukin Township.

First—I find Canada Thistles growing on sections 4 and 9, T. 2, R. 13, W. 2d P. M., in said county and State.

Second—I found 1½ acres of infected land. I do not know how introduced.

Third—I cut two inches below the surface, when the sign was in the heart, in June and July. This treatment was successful. Cost $5.25.

I further state that I am satisfied that the above treatment is a sure distruction of the Canada Thistle.

McHENRY COUNTY.

Report of J. A. WOOD, Commissioner of Canada Thistles, Dunham Township.

The undersigned, commissioner of Canada thistles for the town of Dunham, in said county, would report that thistles are now growing in said town on many farms.

1. On farm of Frank Diggins on section 1, on the ne. ½ sw. ¼ of said section. One tract 60x60 feet, said thistles were first seen last May; can not say how they came. The land is planted to corn, well cultivated and vigorously hoed; are well attended to. Cost to date, $4.00. Occupant, Frank Martin.

I also find on section 1, one tract on the farm of J. N. Jarome, se. ¼ sw. ¼, size 30x30 feet, not badly infected. Been there two years; have been well cut and kept under. The tract is in pasture; do not find how they came there. Cost to date, $3.00.

On sec. 2 I find one tract on se. ¼ se. ¼, in pasture, nicely cut and well salted, nearly destroyed; owner Prock Russell.

Found two years ago. Cost to date, $5.00. And I do further report finding on said sec. 2 one tract on n. ½ nw. ¼, 14x10 feet, badly infected. Have been vigorously cut out, root and branch. It is believed this piece is exterminated; sowed to oats this season; owner, Mrs. J. C. Gordsill; occupant, Waldo Phelps. Cost this season, $4.00.

I find on sec. 3, one tract on the e. ½ e. ½ se. ¼, 8x12, found two years ago. Do not know how they came. Have been well cut and kept under. Owner. D. W. Downs. Cost, $10.00.

On sec. 4 I find one tract on the nw. ¼ thereof, 8x8 rods, badly infected. The thistles have been there ten or more years; have been neglected. As the undersigned could not agree with owner, S. S. Parker, as to boundary, etc., I took possession, as the law directs, and controlled the same. I

employed John Maccy to cut and care for said thistles, which he done and done well. Mr. Maccy, as we believe, made a very reasonable charge—$3.50. As the owner refused to pay said demand, I report the same to town auditing board as the law directs. Said tract is 8x8 rods and the above is the cost.

On sec. 6 I find one tract, two acres, on ne. ¼ sw. ¼, badly infected; have been there 17 years. Seed brought from London, Ont., in wheat sowed there and still remains. From all the information I can get, and what I see, it is believed that said thistles have been fought too feebly. When I first saw them, July 6 last, a crop of clover and timothy had just been taken off from said tract. I found thistles quite thick in spots. I ordered the whole broke, which was done and well done. I find it has checked the growth of the thistles. Intend to work the land vigorously next season. Was also cultivated by owner, Alonzo Linderman, several times past season. He claims cost to date, $12.

I further find on sec. 6, one tract, it being sw. ¼ ne. ¼, 1x20 rods. I believe these thistles came from Linderman's tract under line of fence, by the root; found them first two years ago; this season have been looked to; owner, Henry Ladd; cost, $10.00.

On sec, 7 I find one tract, on s. ½ nw. ¼ ne. ¼, a few feeble plants, say 4x6 feet; found two years ago: have been looked to vigorously, and believe them exterminated. On the J. A. Wood farm, now occupied in part and managed by Tom Wood.

Said thistles are and will be looked after. Can not allow them to be there.

On sec. 7, your commissioner would further report on tract found on sw. ¼ se. ¼, 30x40 feet, found two years ago; do not know how they got there; now in pasture; have been cut, salted and and well kept under; owner, Louis Keith; occupant, Richard Brown; cost, $4.00.

On sec. 8 I find one tract, sw. ¼ ne ¼, 20x20 feet, not badly infected; in pastnre; have been well cut and salted; am satisfied with treatment of said tract; found last May; owner, David Lee; cost, $10.00.

On sec. 9 I found one tract on ne, ¼ nw. ¼ 4x4 rods badly infected; found 15th of July last, at which time they were well cut, and well looked to since; owner, Elisha Alexander; cost, $10.00.

On sec. 9 I also find one tract on ne. ¼ sw. ¼, 4x4 feet, a few plants; have been well looked after and are, as I believe, destroyed; owner, Lyman Backus; cost, $2.00.

On sec, 9 I would further report on nw. ¼ se. ¼ 2x3 rods in pasture; have been cut, salted and kept under; been there two years; owner, Dexter Barrows; cost, $5.00.

On sec. 11 we find two tracts, one on the se. ¼ ne. ¼ 2x2 rods, and one 2x3 rods; also find on sw. ¼ sw. ¼ one tract 4x4 rods; two first tracts in pasture, and last named tract in corn-field; all have been well cut and salted; have been there from time to time, and found them well looked to. Thistles have been there twelve years prior to this year; have been neglected; owner, E. L. Downs; all cost $15.00.

Nobody tells how they came on sec. 12, on ne. ¼ sw. ¼ 8x90 feet; badly infected; have been this season well looked to.

I have looked after said tract; am satisfied with treatment; do no know how they came there; owner, Ed. Shultz; cost to date, fully $10.00.

On sec. 12 I also find one tract, w. ½ se ¼, 3x4 rods badly infected; also find one tract on e. ½ nw, ¼: this badly infected also; size of last mentioned tract is 4x6 rods; both pieces in timber and pasture; have been this season fairly cut and cared for; it is believed if the same vigor is used for one or two years longer they will be few and feeble; owner and occupant, William Carmack; cost, $25.00.

On sec. 13 I find one tract, ne. ¼ ne. ¼ 4x4 rods badly infected; first found last June; thistles were cut at once and often; have been well cared for by H. F. F. Tuttle, occupant; owner, Mary S. Allen; cost to date, fully $7.00.

On sec. 13 I also find one tract, sw. ¼ sw. ¼ of said sec., 50x50 feet in timber and pasture, not badly infected, plants feeble; have been well cut and cared for; first found two years ago; do not know how they came: owner, Mark Hubbell; cost, $4.00.

On sec. 13 we further report on se. ¼ sw. ¼ 70x70 feet found two years ago; have been vigorously looked to; now nearly exterminated; cost to date, $10; owner, Geo. M. Comber; do not know how thistles came there.

As to sec. 14, we find on e ½ nw, ¼ thereof; been there eight years; do not know how they came; have been well cut and kept under of late; we believe nearly or quite exterminated; owner and occupant Abram Carmack; cost to date, $10.00.

On sec 14 I also find on ne. ¼ se. ¼ 30x30 feet badly neglected; found Sept. 14, 1886; owner, George S. Young, who has caused them to go into winter quarters very feebly. It is believed that Mr. Young is too good a farmer to knowingly let thistles prosper on his farm. It was a great surprise to him to find the thistles, as he always said to me, "I have none," but of course fails to tell me how they came; cost, fully $5.00.

On sec. 15 we find on w. ½ n. ¼, 4x4 rods, have been well cut and kept under; are in pasture; found two years ago, then in meadow; known as Sampson Farm; owner, A. Cormack; do not find how they came; we believe it will require fully two years more of vigorous effort to destroy them, cost to date, I believe, $10.

On sec. 16 your commissioner would report as finding on e. ½ ne. ¼ one tract fully three-quarters of an acre badly infected; the past season said tract has been vigorously attended to; has been plowed and dragged as often as every fifteen days, and is now believed to be on the way to destruction; the owners and occupants, David and Fletcher Worthington, good reliable men; it is believed that the undersigned will have but little trouble hereafter with said tract; found two years ago; do not know how said thistles came there; cost to date fully $18.

On sec. 16 is also found one track on e. ½ nw. ¼, 16x16 feet; do not know how the thistles came there; have been there some years; the past two years have been vigorously attended to, and is now believed to be nearly or quite destroyed; owner and occupant, Hutchinson McLean, a good and worthy farmer; cost to date, $10.

On sec. 26 we report one tract, fully 8x8 rods, badly infected; have been there 43 years; brought there by Jonathan Wells from York State; we believe, up to the past season, they have not been as vigorously attended to as they should have been; we believe the thistles have not spread from the top, but by the root; have been fairly cut and kept under the past season in a pasture; owner, John Wells Estate; occupant, Frank Wells; cost to date, $25.

On sec. 26 we would further report one tract, nw. ¼ n w. ¼, about 4x4, not badly infected: found last July; thistles are well cut and go into winter feeble; in pasture and timber; owner and occupant, Ed. Wells; cost, he said, $10.

On sec. 28 is also found one tract, 4 acres, badly infected, the thistles being on se. ¼ sw. ¼ on east side thereof; as the owner and undersigned could not agree as to the boundary treatment, etc., we took possession as the law directs and controlled said tract, it being in meadow; we mowed, grubbed hazel brush and burned them, which cost $3.25; made and erected one gate, $1.25; breaking and cultivating said tract, $18; plowing said land in September, $8; total, $30.50; all of which Owner Eugene O'Conor paid; do not find how they came; said tract goes into winter quarters in a satisfactory condition; it is believed further labor is needed next season.

On sec. 35 we would report one tract on se. ¼ ne. ¼ thereof, 1x10 rods, not badly infected this season; have been cut and kept under; have been there three years; do not know how or whence they came; in pasture; owned by N. White; occupant, John Kewley; cost $3.

We also find on said sec. 35 one tract, on sw. ¼ ne. ¼ thereof, about 1x10 rods; well cut and looked after; been there four years; do not find how they came; in corn this year; occupant, Richard Roach; reports cost $3; owner, A. E. Axett.

The undersigned commissioner would respectfully recommend as vigorously pushing of the good begun for one more year at least; let us not tire in well doing, we must either exterminate the thistles or they will drive us to the wall, and I believe the only sure way to destroy them is to cut and keep them under ground. Cut vigorously and keep them under, do not let them come to sun light and they must die; and sir, permit me, through you, to thank all the town officials for their kindness and consideration in this, my ardnous duty, and not forgetting our worthy townsman Samuel L. Chase for his valuable aid and advice while in his immediate neighborhood, also please give thanks to Richard Lanning for kind aid.

Report of C. L. Mead, Commissioner of Canada Thistles, Hebron Township.

The following statement sets forth a summary of work performed:

Number of patches plowed		13
" "	salted stock on	26
" "	salted without stock	7
" "	cut	26
" "	brined	9
" "	kerosened	4
" "	dug	2
		87
Number of patches killed in 1885		23
" "	nearly killed in 1886	30
" "	new found in 1886	21
		74

I would say that all patches of thistles consisting of half an acre or more would recommend plowing and harrowing once in fifteen days. Plow shallow at first and cut a little deeper each plowing,

Salting stock on thistles is sure to kill in one or two years.

Salting thistles where stock does not run I think is more apt to prove effectual than where the stock runs.

Cutting thistles must be done very thoroughly or it does not amount to much. I would recommend the salt in connection with cutting.

Brine is the most effectual remedy of anything I know and will kill thistles sooner than any thing that I have any knowledge of.

Kerosene is being used by some, I would use salt in its place.

Report of H. C. Mead, Commissioner of Canada Thistles, McHenry Township.

The undersigned, Commissioner of Canada Thistles for the Town of McHenry, would report that Canada Thistles are now growing in said town on the farms and in the locations described in the tabulated statement hereunto annexed. The Commissioner would further report, that this being the first year a Commissioner has been appointed, he has found it necessary to visit every farm in the town and mark the location of all patches discovered, and to that end has prepared a plot of the town and indicated thereon by the letter (T) the location of the different patches of thistles. Said plot to be placed on file in the Town Clerk's office for future reference. The treatment followed thus far has been a repeated cutting and shows good results, and your Commissioner is satisfied that a repeated cutting close to the ground every ten days during the summer and fall will exterminate them.

In large patches in cultivated fields he would recommend plowing every fifteen days until July 1st; then sow to buckwheat or Hungarian, and as soon as the crop is off, dig the ground heavily, and seed with clover. He would also report that thistles have been introduced in many cases by bringing seed grain from infested districts, most notably from Lake county.

Threshing machines moving from place to place is another means of scattering the seed.

Your Commissioner would further state that he thinks there is great danger of our farms being overrun with thistles, unless the most stringent methods are adopted to exterminate them, and he would recommend that the laws enacted for that purpose be most rigidly enforced.

McLEAN COUNTY.

Report of J. R. Tavenner, Commissioner of Canada Thistles, Normal Township.

The undersigned, Commissioner of Canada Thistles for the Township of Normal, in the county of McLean, would report that said thistles are now growing in said town, and that there are some ten different patches of them, one on S. S. Porter's farm, one on the Judge Davis land north of Normal, one on the Illinois Central Railroad track in Normal, the balance are located on the old Phœnix nursery grounds, and on the Wesleyan Campus, all of which were treated by cutting and digging the ground during the months of July and August with some degree of success. Mr. Porter says he thinks he is about clear of his patches, while none have been allowed to increase or to go to seed. In all cases it seems that the amount or number of patches are on the decrease. The treatment in all cases was by cutting and digging the ground. They were introduced by shipping packages from the north and east here, and have been here from ten to twenty years, as near as I can learn. I expended the sum of twenty-six dollars or thirteen days time in the treatment of said thistles. I arranged mostly with the owners of said property to do the work of keeping said thistles down, thereby making as little expense to the township as possible, and I think that it will be very beneficial to said township to still continue the treatment of said thistles by the best possible methods that can be brought to bear upon them the coming year.

WINNEBAGO COUNTY.

Report of S. E. Hall, Commissioner of Canada Thistles, Cherry Valley Township.

In compliance with the statutes of this State, I submit the following report:

First—There are Canada thistles in this township.

Second—I will report ten different patches, to-wit:

In the s. e. ¼ of the s. w. ¼ of the s. e. ¼ of section 9, about 21 rods.

In the n. w. ¼ of the n. e. ¼ of section 21, about 3 rods.

In the n. w. ¼ of the n. w. ¼ of section 19, about 18 rods.

In the n. w. ¼ of the n. w. ¼ of section 19, s. 10 rods, about 6 rods.

Near the n. line of s. w. ¼ of section 19, about 4 rods.

Near the n. line of s. w. ¼ of section 19, 30 rods e., about 2 rods.

Near the n. w. cor. of s. e. ¼ of section 15, about 60 rods.

Near the n. e. cor. of n. e. ¼ of section 3, about 4 rods.

In the n. e. ¼ cor. of the s. e. ¼ of the n. e. ¼ of section 2, about one rod.

In the highway between sections 18 and 19, 12 rods from town line.

The first seven were treated with salt, as per last year's report. In the patch of 60 rods only two weak plants were found this season. In the patch of 3 rods none were seen this season, Ditto the second patch of 4 rods. There has been no expense to the town except my fees. The Town Auditors and County Commissioners have made no requests. Two patches were found with bloom, but no seed was developed.

Three new patches were found this season.

Report of Thomas G. Levine, Canada Thistles Commissioner, Rockford Township.

Four tracts of thistles have received treatment in the following manner. As soon as the plants were up in the spring a handful of salt was thrown upon each, except in tracts where plants were in masses, when salt was sown broadcast over the entire tract; this treatment continued about twice a month up to the present time.

Amount destroyed fully nine-tenths. One more season with same treatment continued they will doubtless be exterminated.

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FIFTEENTH REPORT

OF THE

STATE ENTOMOLOGIST

ON THE

NOXIOUS AND BENEFICIAL INSECTS

OF THE

STATE OF ILLINOIS.

FOURTH REPORT OF S. A. FORBES,

For the Years 1885 and 1886.

SPRINGFIELD, ILL.:
Springfield Printing Co., State Printers.
1889.

NOTE.—In the absence of a formal report for 1885, I prepared and published for that year, as an appendix to the Transactions of the State Department of Agriculture, a collection of essays on economic entomology, containing the greater part of the matter which would have gone regularly into an annual entomological report, and the papers of the present report are, therefore, substantially those prepared for the year 1886. The long delay in the publication of this report (now just going to press) has led me to withdraw several articles on subjects which more recent observations and experiments will enable me to treat to better advantage hereafter. The most important of these are one on the root web worm and one introductory to a monograph on the insects injurious to Indian corn.

S. A. FORBES.

JUNE 20, 1889.

LETTER OF TRANSMITTAL.

OFFICE OF STATE ENTOMOLOGIST,
CHAMPAIGN, ILLINOIS, December 30, 1886.

To His Excellency, RICHARD J. OGLESBY, *Governor of the State of Illinois.*

SIR: I have the honor to transmit herewith my report as State Entomologist for the two years ending December 31, 1886. As a recent opinion of the Attorney General makes it doubtful whether I have a right, under the laws relating to this office (to some extent inconsistent and conflicting) to prepare any other than a biennial report, I made no formal report for 1885, and shall hereafter make biennial reports only, supplementing these by bulletins of the office, issued whenever important results of new work or entomological occurrences of special interest to the general public, make it desirable that prompt information should be given.

I am further induced to this course by the fact that thus only can I continue to provide both for the work of the entomological office and for that of the State Natural History Survey, for which, as Director of the State Laboratory of Natural History, I was made responsible by the Thirty-fourth General Assembly.

Respectfully submitted,

S. A. FORBES,
State Entomologist.

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THE ENTOMOLOGICAL RECORD FOR 1885-86.

To the economic entomologist the season of 1885 was especially notable for an extraordinary outbreak, in the western part of the State, of two or three of our common species of grasshoppers; and 1886 was distinguished by a disastrous attack of the chinch bug on the wheat, oats, and corn of Southern Illinois, which, together with a severe drouth, greatly diminished the crops of small grain and hay over several counties, and completely destroyed the corn in hundreds of fields. The grasshopper uprising having now disappeared, a full account of it is given elsewhere; but a discussion of the chinch-bug attack may best be postponed until another report, when its complete history may probably be written.

THE EUROPEAN CABBAGE WORM (*Pieris rapæ*) has clearly been less abundant during the past two years throughout that part of the State under our observation than for several years preceding. The same scarcity was noted by some of my correspondents. Dr. Goding, for example, writing from Livingston county on the 24th July, 1885, reported that it was difficult to find a single cabbage worm in the field; and Dr. Boardman, in August, 1885, informed me that these insects were very much less abundant in Stark county than usual. This difference, so favorable to the horticulturist, was due apparently to the continued prevalence of the white plague of the cabbage worm,—a destructive disease first reported by me in September, 1883, and described in full in the Bulletin of the Illinois State Laboratory of Natural History, Vol. II., Art. IV., pp. 261–264. Numerous examples of its extraordinary destructiveness occurred in the course of our observations. Visiting a cabbage field near Champaign late in August, 1885, the owner of which had reported a few days previously that it was being destroyed by the cabbage worm, we failed to find in twenty minutes' search a single living larva, the leaves being, however, badly riddled, and the dried and blackened remnants of the dead cabbage worms giving unmistakable evidence of their recent presence.

From Dr. Lintner, State Entomologist of New York, I learned that this malady had appeared in that State, information to the same effect coming also from Mr. Goff, of the New York Agricultural Experiment Station. In a subsequent letter, the latter gentleman contributed the interesting information that Prof. Arthur, the botanist of the station, had experimented with reference to the contagious character of the disease by feeding portions of the bodies of larvæ recently dead to still living and healthy worms, the effect being the speedy sickness and death of those thus treated. From William Saunders, Esq., of Ontario, Canada, I learned October 5, 1885, that there seemed to be no traces of the disease among the cabbage worms of his vicinity. Prof. Snow, of Topeka, Kansas, likewise informed me in 1885 that it certainly had not appeared in his vicinity; but in August, 1886, I received from correspondents in Kansas, specimens apparently suffering from a mild form of this affection. Mr. E. W. Doran, of Loudon, Tennessee, Assistant Entomologist to the Board of Agriculture of that State, reported to me both in 1885 and in 1886 that he was unable to detect any evidence of its occurrence there.

In the southern part of the State the SOLITARY CATERPILLAR (*Callimorpha lecontei*) has lately become excessively numerous; and because of the early period of its activity has been found capable of great injury to raspberry plants. The caterpillars climb the stems, gnaw the swelling buds, and eat the young leaves as fast as they put forth. Spraying with arsenic has proved ineffective, because the rapidly unfolding leaves afford an abundance of fresh food soon after the application of the poison. Hand picking has given the only satisfactory protection.

In the course of a series of experiments performed upon the CODLING MOTH (*Carpocapsa pomonella*), this species has received at our hands extraordinary attention in all its relations. An elaborate account of our observations respecting its life history and its susceptibility to remedial measures is given in another article; and I add here only facts showing the abundance of the species during the two successive years. Of nearly 10,000 apples examined from trees used as checks upon our experiments in 1885, and which, consequently, had not been treated with any insecticide, fifty-nine per cent. had been infested by the codling moth—a proportion doubtless unusually great, and due in part to the extraordinary scarcity of apples following a year of great abundance. In 1886, on the other hand, when the apple crop was an abundant one, following the scanty crop of the year before, a similar examination of 5,000 apples showed that only thirty-nine per cent. were infested.

That dread enemy of the cereal crops, the notorious ARMY WORM (*Heliophila unipuncta*), occurred in injurious numbers in 1885 throughout Southern Illinois, from Bond and Wabash counties to

Alexander and Gallatin, and was occasionally reported in June to have made a visible impression upon the crop of corn. In 1886, however, no reports of injuries by this pest were received, although an extremely dry season throughout this region would seem to have favored its multiplication. None of the "armies" of the previous year came then under our observation, and the precise reason for the scarcity of the species this year is unknown.

Various apple leaf insects have interposed a serious obstacle to successful nursery culture, almost completely obstructing, in some localities, the business of growing young apple-trees for the market. At Normal, especially, in the grounds of the Home Nursery Company, the mischief worked on the susceptible varieties has been of a very discouraging character, and has even disposed the proprietors to transfer their apple business to a western state.

As a result of a short series of experiments made with kerosene emulsion and with lime, I learned that no liquid or powdery application could reach a sufficient number of the larvæ, secluded in the rolled and webbed leaves, to make it at all worth using for its immediate effects; but a series of field and laboratory experiments made in 1886 has given us the means of controlling these nursery pests at slight expense,—as detailed in an article on nursery insects in another part of this report.

The HESSIAN FLY (*Cecidomyia destructor*) was locally injurious in 1885 in the counties of Fayette, Effingham, Clay, Lawrence, and Alexander, a few fields being left unharvested because of it in the three first mentioned. A careful canvas of the southern part of the State made in May and again late in June, failed to discover any damage except to one field each in Effingham and Lawrence counties. Its isolated occurrence in these localities gave an excellent opportunity to determine by experiment and observation some points of interest in its midsummer life history. The results of our investigations, with suggestions of preventive and remedial procedure based upon them, are deemed of sufficient importance for especial discussion in a separate article.

The CLOVER SEED MIDGE (*Cecidomyia leguminicola*), first described by Lintner as *Cecidomyia trifolii*, in 1879, (the present name being afterwards substituted for the above,) was first reported in Illinois, as far as I can learn, by W. F. Carpenter, of Steward, Lee county, in 1882, in a note to the "Prairie Farmer," the date of which I have not at hand; but in a recent letter Mr. Carpenter informs me that he first observed the pest in Illinois in 1878 or 1879. As it was first observed by Lintner in New York in 1877, it is difficult to say whether this was originally an eastern or western species, or whether it may not have secretly pursued a less offensive course for some years in various parts of the country. In Northern Illinois it was especially injurious in 1886, notice of its ravages coming to the office from the Farmers' Club of Marengo, in October.

From some infested clover heads obtained through the secretary of the Club, N. J. Wheeler, we had the good fortune to breed five specimens of a new parasitic enemy of this midge,—a chalcid belonging to the genus Tetrastichus, and apparently of a species undescribed. Previous to this, two species of parasites have been reported as preying on it,—*Eurytoma funebris*, Haw., and *Platygaster error*, Fitch. Additional insect enemies were detected in our breeding cages,—one of them a small heteropter (*Triphleps insidiosus*), so abundant everywhere that it may well serve a useful purpose in lessening the numbers of this clover pest.

The interesting discovery was made this summer (1886) that an additional brood (making three in all) of the WHEAT BULB WORM (*Meromyza americana*) may develop in midsummer in self-sown wheat.

A very peculiar larva (*Cardiophorus*) of the family to which the common wireworms belong, was found in June perforating and mining the roots of corn in the sandy soil of the "second bottom" in Alexander county, the corn as a result being not more than half the size of that in adjacent fields.

The very common BLISTER BEETLES (*Meloidæ*) were far more abundant in 1885 than usual,—a fact doubtless to be connected with the extraordinary abundance of grasshoppers, upon the eggs of which their larvæ are well known to feed. The species most frequently mentioned in our notes of injuries to crops are the striped blister beetle (*Epicauta vittata*), the margined blister beetle (*E. cinerea*), and the common black blister beetle (*E. pennsylvanica*). The last is yearly abundant, feeding in autumn upon the flowers of the golden rod and other composite plants; but the other two species are more variable in their numbers. The abundance of *E. pennsylvanica* was noticed as early as the 4th of July, at which time we found it feeding upon the leaves of the honey locust. In August it was very common in corn fields, associated with the two other species, all of which were feeding freely upon the fresh silk of corn, doing thus, apparently, a very considerable mischief by preventing the fertilization of the kernels, and partially blighting the ear. Rarely, also, we saw the black species eating the kernels at the tip of the ear. The striped blister beetle, likewise common in corn, was still commoner upon potatoes and tomatoes, often stripping these plants of their leaves. The margined blister beetle was also noticed in July and August feeding upon potatoes and tomatoes, sometimes more abundant than the striped species. In corn fields it attacks an allied weed, the common ground cherry (*Physalis viscosa*).

THE CORN ROOT WORM (*Diabrotica longicornis*) seems certainly no less abundant than hitherto, although farmers who have adopted the practice of frequent rotation are rarely subject to its injuries. Heretofore it has not been noticed in corn fields south of the central region of the State; but I this year detected the larvæ

of this or some closely allied species, in June, in a corn field in Alexander county in numbers sufficient to arrest the growth of the corn in irregular patches, here and there. I feel bound to do my best to excite the serious apprehension of farmers respecting the future of the corn root worm in regions where it is being neglected. I have no doubt that under such circumstances, multiplying continuously, as it is liable to do, it will in time accumulate in such numbers as no longer to confine its chief injuries to fields principally in corn, but that the beetles will be early forced to scatter in search of food, from the fields in which they emerged, and that the eggs will consequently be freely laid everywhere in the ground instead of being confined, as now, chiefly to fields of corn. Indeed, there is already some serious indication of the approach of this calamity. From Mr. R. C. Davis, of French Grove, in Peoria county, I learned that the adult beetle had been seen in his vicinity, flying in swarms so early in the season that it is not at all likely that the females had yet deposited the principal part of their eggs. In such cases, the ground will almost certainly be heavily stocked with the eggs wherever a sufficient food supply occurs, and fields not lately in corn will be liable to show next year evidences of serious injury by this pest. As the beetle lives largely upon the pollen of plants, and congregates upon clover heads and other late blooming flowers, it is in fields of clover or those containing an unusual amount of fresh young vegetation that this prevalence of the corn root worm is likely to be noticed.

It is not unlikely that the abundance of grasshoppers in corn fields in some parts of the State, and the consequent diminution of the ordinary food supply of the corn root worm beetle, may have forced it to leave the corn fields earlier than is its custom. But this consideration serves to enforce the importance of a general rotation of crops as a safeguard against a pest so liable to take advantage of even slightly favoring circumstances and to inflict uncontrollable damage upon the principal farm crop of the State.

As a very effective precaution against a possible injury to corn by the root worm, on ground not last in corn, I would suggest the early plowing of such fields. By thus destroying the food of the adult before the season for the laying of the eggs, all temptation to resort to these fields will be removed. To this end, ground in clover, or that covered with any sort of late blooming vegetation, or with a fresh growth of tender herbage, like volunteer oats, should be plowed before the middle of October if intended for corn.

Old meadows near Edgewood, in Effingham county, were found in July, 1886, noticeably damaged by the larva of *Sphenophorus parvulus*. Another insect of the same family (*Ithycerus noveboracensis*) was sent me from Bureau county, with a report of its characteristic injury to the leaf buds of the apple.

Injuries to the most important crop of the State by its most threatening insect enemy (the CORN PLANT LOUSE, *Aphis maidis*)

seem to me to be decidedly on the increase. Hitherto, our studies of its life history have given us no hint of a method of control; but observations made during the spring of 1886 make it seem possible that this destructive species may be added to the list of those capable of being held in check by the ordinary processes of an intelligent agriculture. The early period at which the presence of this insect may be detected in fields of the most various history, has seemed to justify the inference that its occurrence has no close relation to the rotation practiced; but a long series of careful observations made *very early*, when the corn was but an inch or two high, failed to discover a single instance, out of a great number, in which this louse was present in fields where the ground had not been in corn the year preceding. It was seen, however, that the development of a winged generation may occur so soon as to give opportunity for very early infection of corn on stubble or sod.*

The notorious SOFT MAPLE BARK LOUSE (*Pulvinaria innumerabilis*), which so seriously injured soft maple trees in 1884, seemed to the casual observer, in spring of the following year, to threaten an equal injury; but upon close inspection late in June, the cottony egg masses of the female were found, in nearly every instance examined, to harbor a coccinellid larva (*Hyperaspis*) by which the eggs were being rapidly devoured; and before the end of the season the pest was reduced to insignificance throughout the greater part of the area infested by it.

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* Since the above was written, the winter history of this species has been determined, chiefly by investigations made, under my direction, by my assistant, Mr. C. M Weed. The eggs are collected from the ground in autumn by the common brown ant, *Lasius alienus*. Early in in spring, before corn is planted, the young lice, as they hatch, are placed on the roots of "pigeon grass" (*Setaria*), smartweed (*Polygonum*), and possibly some other weeds, and are reared there until the field is planted to corn—if this is done,—when they attack the corn roots or the subterranean part of the stem. If the field is planted to some other crop, the young lice mature on the grass roots and produce a second brood, many of which acquire wings about the middle of May, and then disperse. Later, they seem to abandon the grasses entirely.

ARSENICAL POISONS FOR THE CODLING MOTH.

(*Carpocapsa pomonella*, L.)

Order LEPIDOPTERA. Family TORTRICIDÆ.

I published last year (1885), in the Report of the State Department of Agriculture* and in the Transactions of the State Horticultural Society,† a report on some preliminary experiments made with two arsenical poisons and with lime, for the codling moth and the curculios, the general result of these experiments going to show that about two thirds of the apples subject to loss through the codling moth, and one half of those liable to be destroyed by the curculios, might be saved by spraying eight times with Paris green. Last year was, however, an exceptional year, the apple crop being very unusually light, following a good crop of the year before. Moreover, eight times' spraying was clearly an excessive use of the poison, the arsenical compounds being presumably ineffective against the second brood of the codling moth, and certainly dangerous to health, if not to life, if used on the apple after midsummer. Our work of last season was consequently inconclusive with respect to some important points; and I made this summer (1886) similar experiments on a larger scale, intended to complete and test the evidence of the year before, to try arsenic in solution in comparison with London purple and Paris green, and especially to test carefully and thoroughly the effect of a moderate number of sprayings with poisonous insecticides applied only so early in the season that there could be no possible question of danger to the consumer of the fruit. I used this year Paris green and a solution of arsenic in comparison on eight selected trees. Two of these were sprayed with a solution of white arsenic and six with Paris green in water—two of the six sprayed once, May 11; two twice, May 11 and 24; and two three times—the last, June 6. Companion trees were selected as checks upon each of those thus treated, the check trees being, of course, left unpoisoned.

The Paris green mixture was the same as last year, three fourths of an ounce by weight, of a strength to contain 15.4 per cent. of metallic arsenic, being simply stirred up in two and a

*Appendix, pp. 26—45.
†Vol. XIX, pp. 103—124.

half gallons of water. The arsenic solution was made by boiling one ounce of arsenic in one quart of water, and adding this solution to twenty gallons of cold water. The method of procedure was precisely as last year, the trees being thoroughly sprayed with a hand force-pump, and with the Deflector Spray and Solid Jet-Hose Nozzle manufactured by the Lowell Faucet Company, Lowell, Massachusetts. The fluids were thrown in a fine mist-like spray, applied until the leaves began to drip.

The character of the season was the precise opposite of that of the year preceding. Then a scant crop followed an abundant one; now an extraordinarily abundant crop followed a very scanty one. The ratio of insects to the apples exposed to their attacks must have been, consequently, doubly diminished as compared with that of 1885. Further, our experiments were last year limited to early apples, no late fruit being available; while this year only fall and winter varieties were used. In these, finally, an additional brood of the codling moth probably developed, making three in all for the season; while last year we certainly had but two up to the time of harvesting our experimental fruit.

After spraying, the apples which fell, both from the poisoned trees and the untreated checks, were regularly picked up at intervals of about two weeks, until October 4. These lots were each examined for codling-moth injuries, as were also the picked apples gathered from the trees October 4. The entire number of apples examined from all the trees was 38,688.

From the data thus recorded tables were prepared, such as I published in my last year's report; and upon these tables the present discussion is based. As this year's experiments are really continuous with those of the year preceding, I have brought my last year's results into this discussion, preferring to present the whole subject in a complete and finished form, even at the expense of some slight repetition of matter already published.

I have made principal use of the figures in the column marked "Corrected"—a matter requiring a somewhat elaborate explanation. Ratios are comparable, of course, only when reckoned on the same base. For the check trees, the ratios of damage to the fallen apples were calculated on the total number fallen, and for the picked apples the basis of the reckoning was the number remaining on the trees at the end of the season. Since the treatment of the experimental trees kept from falling a certain number of the apples which would otherwise have fallen, it is evident that ratios computed on the fallen and picked apples from these trees are not comparable, without correction, with those obtained from the checks. The number of fallen apples being relatively smaller, the ratios of injury calculated on that number will be too large; while with the picked apples the case will be reversed. The ratios were consequently corrected throughout by the application of formulæ printed in our Bulletin 1, but which it is not necessary to repeat here.

Paris Green, 1885.*

We begin the discussion with Table I., exhibiting the result of the spraying of two trees eight times with Paris Green in 1885 as compared with two other trees selected as checks,—the former bearing 2,419 apples, and the latter 2,964. After spraying three times (June 9, 20, and 30), the apples were first picked up July 16; and already fifty-nine per cent. of those fallen from the check trees were wormy. Passing down the "ratio" column of the check tree, we see at first a slight rise in the ratio of injury, and then a falling off to fifty-eight per cent., July 31, and fifty-five per cent. August 7—the lowest point of the season. This decline coincides with the interval between the first and second broods of the larvæ.

Our notes of July 31 show that at this date no full grown larvæ whatever were found, and only a few very small ones, at the blossom end of the apple—evidently the young of the second brood.

The averages of injuries to fallen fruit now increased rapidly to September 3, when the last observation was made. At this date the injury to fallen apples reached eighty-four per cent. The total for all the fallen apples of the season was sixty-five per cent., and that for the picked apples was seventy-five per cent. Finally, adding fallen and harvested apples in one grand total, which includes the entire product of the trees, we conclude that sixty-eight per cent. had been infested by this insect.

These data give us our standard of comparison. Looking now at the columns relating to the poisoned trees, we notice that these suffered much less from the codling moth than the others. Beginning at about three per cent., the injury rises to thirteen per cent., falls again to six per cent., and does not rise thereafter above eleven per cent. (August 7). The average injury for the season to the fallen fruit is nine per cent., and to the picked fruit 31 per cent.; or, to all the apples taken together, twenty-one per cent. Generalizing, we may say that eighty-six per cent. of the apples which would have fallen from codling-moth injuries have been preserved from falling, and that fifty-nine per cent. of the picked apples which would have become wormy remained uninjured; or, taking all the apples from these trees together and comparing with the entire crop of the check trees—assuming, as we evidently have a right to do, that as large a proportion of the fruit on the experimental trees would have been destroyed as on the check trees if the former had not been sprayed,—we shall find that of the apples thus exposed to damage by the codling moth, almost exactly seventy per cent. have been saved by our treatment.

Comparison of Injuries, 1885 and 1886.

Before passing to the discussion of the experiments of the present season it will be necessary to compare the consequences of

*Some slight discrepancies between these discussions and those of Bulletin 1 of the office are due to the fact that these are drawn from the tables, and those from the diagrams there published.

the difference in the prevailing conditions of this year and those of last, as affecting the codling-moth injuries in the orchard. I have already given a general account of the differences between the two years; and the manner in which these influenced the codling moth is exhibited in Table II., comparing the ratios of injury in 1885 to four untreated trees bearing 6,825 apples in all, with that to 4,916 apples on four untreated trees, in 1886. As the experiments for 1885 related only to summer apples, and those for 1886 to fall and winter varieties, there are two more observations (for September 20 and October 4) reported on the latter than on the former.

We notice in the first place the smaller ratio of injury for 1886 at the beginning of the season. The difference between the two sets of trees, beginning July 16 at forty-six per cent. out of fifty-one, diminishes rapidly to August 31, when it was twenty-five per cent. out of eighty, and closes September 8 at thirty-eight per cent. out of eighty-five. The total damage by codling moths this year was seventy per cent. that of last year to fallen fruit, and fifty-nine per cent. to picked fruit. This difference is due to the fact that the crop of 1886 was very heavy, the trees setting full in the spring and dropping a large percentage of merely surplus fruit during the first four weeks; while the crop of 1885 was very light, and the trees were able to hold more of their apples.

PARIS GREEN, 1886.

The experiments for 1886 to be first noticed, were intended to bring out the comparative results of spraying once, twice, and thrice with Paris green so early in the season as to avoid any possible danger from the poisoning of the ripened fruit. Two sets of experiments were made for this purpose. In the first, trees of the same variety (the Snow apple, or *Fameuse*) were used both for the experiment and for the check; while in the second series various varieties were treated, care being taken, however, to select the best available companion for each experimental tree.

We will first examine the *Fameuse* series, since this was much the most uniform. It will be seen from Table III. that the single spraying (made May 11) had a very appreciable effect upon the damage by the codling moth even in the beginning of the season, but was still more evident later. Without entering into unnecessary details, it will be sufficient to say that the results show a preservation to ripening, of fifty-five per cent. of the fruit subject to fall from codling-moth injuries. It will be seen also that there was a corresponding benefit evident in the condition of the picked fruit, the damage on the tree not treated being forty-five per cent. and that upon the sprayed tree twenty-two per cent. The exceedingly low ratios of injury at the beginning of the season—a phenomenon which will be apparent throughout all the

tables for this year—have, of course, the explanation already given; viz., that the trees set very full in spring and early cast a great quantity of their surplus apples.

A curious drop in the ratios of injury of both check and experimental trees for the observation of September 8, probably marks an interval between second and third broods similar to that already noticed between the first and second of last year.* The same indication is apparent on Tables IV., VI., and IX.

Of the apples borne by these trees, we examined 2,060 from the check, and 1,580 from the tree sprayed with poison. The number on these and several other of the trees was so great that towards the end of the season we did not handle them all, but stopped when we had demonstrated that we had a fair average of the whole.

The increased benefit from a second spraying is made evident by a comparison of Table IV. with the preceding one. Although the ratio of benefit to fallen fruit is somewhat less, the fifty-one per cent. benefit to the picked apples once sprayed (Table III.) becomes eighty-four per cent. after the second spraying (Table IV.). Curiously, the third spraying (Table V.) seems to have been without important effect, the benefit to fallen fruit being a little greater and that to picked fruit a little less on this table than on the preceding. The record from two other trees not tabulated here, gives a similar result.

The respective advantages of spraying once and twice are more fully represented on Table VI. The benefit from the second spraying begins to be conspicuous August 31, and continues quite to the end of the season, October 4. The total effect on the fallen fruit is apparently slight; but this is due to the fact that much the larger part of the apples fell from general causes early in the season. The ratios relating to the picked fruit are not disturbed by this superabundance of early windfalls, and more correctly exhibit the relative effects of spraying once and twice. By this the damage to picked fruit after twice spraying was only about one seventh that after spraying but once.

The most remarkable exhibition of benefit is that of Table VII., where a single tree twice sprayed—the Vandevere variety—is compared with its selected check. The damage to the latter ranges, as will be seen, from naught to sixty-two per cent., the general average for the fallen fruit being forty-eight per cent. and for the picked apples forty-three per cent.; while that to the treated tree varies only from zero to six per cent., the "total fallen" being

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*On the 31st August the larvæ were reported by the assistants engaged on the work as "mostly full grown," and September 8, as mostly full grown, but with specimens occasionally occurring that were not more than half size. September 29, on the other hand, when 1,116 apples were examined, a very large percentage (three fourths to five sixths) of the apples contained very small larvæ, many of them near the blossom end and apparently just entering, the others being all full grown. October 4, finally, many of the apples contained very young larvæ, although the majority were one third to two thirds grown. The notes of the assistants are supported by alcoholic specimens.

four per cent. and the "picked apples" two per cent. Or, stated in another form, the ratio of benefit shown by the picked fruit was ninety-five per cent., while ninety-two per cent. of the apples liable to fall from codling-moth injuries were preserved to ripening by the Paris green.

This tree was low and broad and not too leafy, and was thus more thoroughly sprayed from the ground than the other experimental trees. There is also a possible lack of proper correspondence between the tree and its check to be taken into account in connection with this remarkable and exceptional result.

SUMMARY OF PARIS GREEN EXPERIMENTS.

As a summary statement of the final issues of the Paris green experiments for both years, we may refer to Table VIII., where it will be seen, in brief, that in 1885 eighty-six per cent. of the fruit exposed to damage by the codling moth was preserved to ripening by the poisons applied, and that fifty-nine per cent of the picked fruit had been thus preserved; or that, taking picked and fallen fruit together, sixty-nine per cent., which would otherwise have been sacrificed, had been saved by our remedial measure.

Furthermore, during 1886 seventy-four per cent. was saved from falling, by a single spraying, and about seventy-two per cent. by three sprayings. The difference unfavorable to the last was doubtless due to accidental differences in trees and treatment.

The benefit to the picked fruit apparent from a single spraying stands at forty-eight per cent., and that from twice spraying at ninety per cent., while that from thrice spraying falls away to seventy-nine per cent. Or, summarizing still more briefly, we may say, in general, that *the results of once or twice spraying with Paris green in early spring, before the young apples had drooped upon their stems, resulted in a saving of about seventy-five per cent. of the apples exposed to injury by the codling moth.*

I wish especially to emphasize the fact that the results now obtained are drawn from computations so made that they may be expected to hold good without reference to conditions other than variations in the treatment itself. The apples protected from injury by the codling moth are evidently apples *effectively poisoned;* and our "ratios of benefit" really express the ratios of these poisoned apples to the whole number treated. These ratios clearly will not vary either with the abundance of the apples, with the abundance of the codling moths, or with anything else except the original treatment, and subsequent accidents affecting the *length of time* the poison may adhere to the apple. This view is, in fact, substantiated by the essential agreement between the results of last year and this, under conditions as widely different as it would be possible to find by ten years' waiting.

The weather conditions prevailing shortly after the poison is applied will doubtless have much to do with its efficacy; but pos-

sible variations of this sort are so numerous, and a precise examination of their effects upon the remedy would require such an interminable series of laborious and costly experiments, that I have thought it best to leave this subject to the practical fruit grower, for determination on the larger scale of orchard practice.

It is also especially to be noted that the final summaries of injury are much greater in our experiments than they would have been if all the trees in the orchard had been treated, as in the practical application of this method in the field. Since we purposely left as many trees untouched as we sprayed, and since in our experiments of this year the trees under observation were surrounded by other trees heavily laden with apples, to which we gave no attention, there were necessarily bred in these trees an abundance of codling moths of the first brood, which, spreading to our experimental trees, must have greatly increased the ratio of injury by the later broods.

In orchard use, however, where all the trees would be poisoned, the later broods could represent only the small percentage of the last generation which had escaped the treatment.

TIME OF APPLICATION.

We have next to determine the time of the year at which poisoning is the most effective; whether, in fact, it takes principal effect upon the first brood or the later ones. A moment's reflection will show that if only the first brood of the larvæ was directly diminished in a certain ratio, the second brood should show a similarly diminished ratio, since these descend from the first; whereas if both first and second broods are directly poisoned, then the ratio of damage to the second brood should be greater than that to the first; or, in other words, the percentage of benefit to the picked apples should be greater than that to the fallen. Our data for the present season do not apply to this question, since all the sprayings were made in May and early in June, while the apples were still very small; and it is incredible that the poison should have remained upon the fruit through all the vicissitudes of weather and time for the two months and more that elapsed before the appearance of the second brood of larvæ. The results of last year, however, when the spraying was continued until September 3, give us important information. Referring to Table I., it will be seen that the benefit to the picked apples instead of being greater than that to the fallen fruit was last year about twenty-seven per cent. less, so that certainly no appreciable effect was produced by spraying during the life of the second brood. The greater injury to the picked fruit is readily accounted for by a circumstance to which I have already alluded; viz., that our experimental trees were surrounded by others upon which no experiment was tried, and were consequently subject to invasion by codling moths of the second brood, reared upon these unpoisoned trees.

Not only do these experimental facts point to the inefficiency of Paris green as against the later broods of the codling moth, but it is plain that the result was what we must have expected *a priori*. As the codling moth of all broods deposits the egg habitually on the blossom end of the apple, the poison taking effect only in case it reaches the surface of the apple between the calyx lobes, it is evident that there is little probability of effectively poisoning the fruit when the apple is full grown and pendent upon its stem.

DANGER OF APPLICATION.

Furthermore, I wish to emphasize especially the point that *spraying after the apples have begun to hang downward is unquestionably dangerous*, and should not be permitted under any circumstances if the fruit is afterwards to be used. The results of the chemical analysis reported last year show that even heavy wind and violent rain are not sufficient to remove the poison from the fruit at this season; and remembering that the stem end of the apple presents a large conical pit by which the poison could be received and held, where neither rain nor wind could dislodge it, we have additional reason for this absolute prohibition of the use of any poison dangerous to health, except when the fruit is young.

COMPARISON OF PARIS GREEN AND OTHER POISONS.

I made this year some further experiments, intended to test the relative efficacy of Paris green and a solution of arsenic* as applied to the codling moth, spraying two trees with the standard arsenic solution and two others with Paris green. The comparative results are shown in Table IX., from which it will be seen at a glance that, so far as these experiments are concerned, the advantage remains decidedly with the Paris green.† The damage to apples treated with Paris green appears, in fact, to be only about forty-two per cent. of that following treatment with arsenic, —the ratio being not materially different for picked and fallen fruit.

It will be remembered that I made a similar comparative experiment last year with Paris green and London purple, finding then, also, that the former poison was decidedly the more efficient. As only a single tree was treated with London purple, and as I see no sufficient *reason* why this substance should not act as efficiently as Paris green, I think that this result should not be insisted on. The facts, as made out, are given in Table X.

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* The white arsenic, as analyzed for me in the University laboratory, proves to have been of excellent quality, containing ninety-eight per cent. of arsenious acid.

† We further noticed a decided scorching of the leaves on the trees which were sprayed with arsenic, while those to which the Paris green was applied were entirely uninjured.

EFFECT ON CURCULIOS.

I have now merely to recall the results with respect to curculio injuries to the apple, derived from our last year's work, by which, it will be remembered, it appeared that about half the damage done by curculios was prevented by the Paris green. We kept a similar account of the curculio injuries this season, but their numbers were so completely insignificant as to give us no sufficient basis for computation, neither check nor experimental trees showing usually more than one or two per cent. of injury. It consequently remains for us to determine, another year, the effect upon curculio injuries of sprayings made only early in the season, while the fruit is small. As the curculios' work is distributed over a much greater interval than that of the first brood of the codling moth, the arsenical poisons, early applied, are much less likely to affect it in any important way.

I think we are justified, however, in this important conclusion; that the incidental benefit to the crop by such protection against the curculios as our sprayings gave, and especially such prevention of damage to the foliage as we know to be thus afforded, will fully compensate for the small expense of the Paris green application, which, made on a large scale, with suitable apparatus, only once or twice a year, must fall below an average of ten cents a tree.

CONCLUSION.

The experiments above described seem to me to prove that at least seventy per cent. of the loss commonly suffered by the fruit grower from the ravages of the codling moth or apple worm may be prevented at a nominal expense, or, practically, in the long run, at no expense at all, by thoroughly applying Paris green in a spray with water, once or twice in early spring, as soon as the fruit is fairly set, and not so late as the time when the growing apple turns downward on the stem.

Finally, I ought to add that my results are confirmed in general by the only other experiment that I know of in which the apples were examined with sufficient care and detail to permit a calculation of ratios of benefit. Last year, at the New York Agricultural Experiment Station, Mr. Goff, one of the officers of the station, sprayed six trees three times with Paris green, and brought them into comparison with four check trees not sprayed. The results of his experiment, as given in the Fourth Annual Report of the New York Agricultural Experiment Station, pp. 218-220, were to the general effect that sixty-nine per cent. of the apples were effectively poisoned, and that the loss by the codling moth was consequently diminished in that ratio. The whole number of apples examined in the course of his observations was 9,198.

Table I.

Paris Green, two trees eight times sprayed, and two trees as check, 1885.

Fruit.	When Examined.	No. of Apples Examined.		Injuries by Codling Moth.					Benefit.
				Check Trees.		Poisoned Trees.			
		Check trees.	Pois'nd trees.	No.	Ratio.	No.	Ratio.	Corrected.	
Fallen	July 16	570	214	335	.59	16	.07	.03	.95
"	July 24	519	291	332	.64	73	.25	.13	.79
"	July 31	232	130	135	.58	17	.13	.06	.90
"	August 7.	117	141	64	.55	27	.19	.11	.80
"	August 27.	333	435	262	.80	109	.25	.07	.91
"	September 3	88	61	73	.84	23	.38	.10	.88
Total fallen		1,859	1,272	1,201	.65	265	.21	.09	.86
Picked		1,105	1,147	811	.75	244	.21	.31	.59
Grand total		2,964	2,419	2,012	.68	509	.21	.....	.69

Table II.

Comparison of Codling Moth injuries, 1885 and 1886.—Four trees each year.

Fruit.	When examined.	1885.	1886.
Fallen	July 16	.51	.05
"	July 20	.49	.06
"	August 18	.47	.21
"	August 31	.80	.55
"	September 8	.85	.47
"	September 20	.....	.57
"	October 4	.....	.60
Total fallen		.56	.39
Picked		.70	.41
Grand total		.60	.39

Table III.

Snow Apple, one tree once sprayed with Paris Green, and one tree as check, 1886.

Fruit.	When Examined.	No. of Apples Examined.		Injuries by Codling Moth.					Benefit.
				Check Tree.		Poisoned Tree.			
		Check tree.	Pois'nd tree.	No.	Ratio.	No.	Ratio.	Corrected.	
Fallen	June 8	54	100	2	.04	1	.01	.01	.75
"	June 25	47	.....	2	.04	.....	.....	.....	.....
"	July 20	533	807	23	.04	15	.02	02	.50
"	August 18	220	160	49	.22	18	.11	.10	.55
"	August 31	185	118	105	.57	40	.34	.22	.61
"	September 8	41	375	14	.34	73	.19	.16	.53
"	September 20	300	300	154	.51	121	.40	.33	.35
"	October 4	200	200	140	.70	79	.40	.20	.71
Total fallen	.....	1,580	2,060	489	.31	347	.17	.14	.55
Picked	.....	100	200	45	.45	35	.17	.22	.51

Table IV.

Snow Apple, one tree twice sprayed with Paris Green, and one tree as check, 1886.

Fruit.	When Examined.	No. of Apples Examined.		Injuries by Codling Moth.					Benefit.
				Check Tree.		Poisoned Tree.			
		Check tree.	Pois'nd tree.	No.	Ratio.	No.	Ratio.	Corrected.	
Fallen	June 8	54	60	2	.04	0	.00	.00	1.00
"	June 25	47	40	2	.04	1	.02	.02	.50
"	July 20	533	248	23	.04	2	.01	.01	.75
"	August 18	220	190	49	.22	20	.11	.09	.59
"	August 31	185	83	105	.57	29	.35	.23	.60
"	September 8	41	234	14	.34	45	.19	.16	.53
"	September 20	300	300	154	.51	92	.31	.22	.57
"	October 4	200	200	140	.70	70	.35	.16	.77
Total fallen	.....	1,580	1,355	489	.31	250	.18	.16	.48
Picked	.....	100	100	45	.45	5	.05	.07	.84

Table V.

Snow Apple, one tree three times sprayed with Paris Green, and one tree as check, 1886.

Fruit.	When Examined.	No. of Apples Examined.		Injuries by Codling Moth.					Benefit.
				Check Tree		Poisoned Tree.			
		Check tree.	Pois'nd tree.	No,	Ratio.	No	Ratio.	Corrected.	
Fallen	June 8	54	60	2	.04	0	.00	.....	.....
"	June 25	47	48	2	.04	0	.00	.....	.....
"	July 30	533	702	23	.04	4	.01	.01	.75
"	August 18	220	199	49	.22	24	.12	.11	.50
"	August 31	185	137	105	.57	51	.37	.26	.54
"	September 8	41	66	14	.34	24	.36	.37	.....
"	September 20	300	300	154	.51	91	.30	.21	.59
"	October 4	200	200	140	.70	75	.37	.18	.74
Total fallen	.....	1,580	1,712	489	.31	269	.16	.13	.58
Picked	.....	100	100	45	.45	6	.06	.08	.80

Table VI.

Two trees once sprayed and two trees twice sprayed with Paris Green, 1886.

Fruit.	When Examined.	No. of Apples Examined.		Injuries by Codling Moth.					
				Once Sprayed.			Twice Sprayed.		
		Once sprayed	Twice sprayed	No.	Ratio.	Corrected.	No.	Ratio.	Corrected.
Fallen	June 8	300	98	1	.00	.00	0	.00	.....
"	June 25	.....	509	.....	.....	.....	1	.00	.00
"	July 20	1,788	368	21	.01	.01	3	.01	.01
"	August 18	401	325	32	.08	.06	28	.09	.07
"	August 31	213	283	87	.41	.34	47	.17	.08
"	September 8	431	484	88	.20	.17	73	.15	.09
"	September 20	600	600	211	.35	.24	113	.19	.11
"	October 4	400	400	179	.45	.28	96	.24	.11
Total fallen	.....	4,569	2,705	626	.13	.10	352	.13	.09
Picked	.....	400	250	72	.03	.22	7	.03	.04

Table VII.

Vandevere Apple, one tree twice sprayed with Paris Green, and one tree as check, 1886.

Fruit.	When Examined.	No. of Apples Examined.		Injuries by Codling Moth.					Benefit.
				Check Tree.		Poisoned.			
		Check tree.	Pois'nd tree.	No.	Ratio.	No.	Ratio.	Corrected.	
Fallen	June 8	55	38	0	.00	0	.00	.00	.00
"	June 25	9	107	1	.01	0	.00	.00	.01
"	July 20	35	120	6	.17	1	.01	.01	.94
"	August 18	230	135	54	23	8	.06	.05	.78
"	August 31	120	200	75	.62	18	.09	.04	.94
"	September 8	162	250	100	.62	28	.11	.05	.92
"	September 20	351	300	202	.57	21	.07	.03	.95
"	October 4	200	200	122	.61	26	.13	.06	.90
Total fallen		1,162	1,350	560	.48	102	.07	.04	.92
Picked		100	150	43	.43	2	.01	.02	.95

Table VIII.

Paris Green. General comparative exhibit of ratios of benefit.

1885	Fallen	Sprayed eight times	.86
	Picked		.59
	Fallen and picked		.69

1886	Fallen	Once	.74
		Twice	.77
		Thrice	.72
	Picked	Once	.48
		Twice	.90
		Thrice	.79

Table IX.

Comparison of Paris Green and Arsenic, two trees each, sprayed three times, 1886.

Fruit.	When Examined.	No. of Apples Examined.		Injuries by Codling Moth.					
				Paris Green.			Arsenic.		
		Paris Green.	Arsenic.	No.	Ratio.	Corrected.	No.	Ratio.	Corrected.
Fallen	June 8	92	130	0	.....	.....	1	.01	.01
"	June 25	144	33	0	.....	.....	0	.....	.....
"	July 20	1,072	558	6	.01	.01	2	.00	.00
"	August 18	.....	234	.....	.....	.....	45	.19	.20
"	August 31	337	345	120	.36	.24	111	.32	.20
"	September 8	230	56	60	.26	.20	23	.41	.40
"	September 20	600	594	154	.26	.15	242	.41	.30
"	October 4	400	300	120	.30	.18	134	.45	.33
Total fallen	.....	3,074	2,550	484	.16	.11	558	.22	.17
Picked	.....	200	214	14	.07	.09	40	.19	.22

Table X.

London Purple, one tree eight times sprayed, and one tree as Check, 1886.

Fruit.	When Examined.	No. of Apples Examined.		Injuries by Codling Moth.					Benefit
				Check Tree.		Poisoned.			
		Check tree.	Pois'nd tree.	No.	Ratio.	No.	Ratio.	Corrected.	
Fallen	July 16	927	444	486	.52	154	.35	.25	.52
"	July 24	366	165	165	.45	82	.50	.54	.....
"	July 31	146	88	73	.50	35	.40	.33	.34
"	August 7	84	68	47	.56	27	.40	.29	.48
"	August 27	243	243	207	.85	171	.70	.36	.58
"	September 3	62	40	62	1.00	26	.65	.02	.98
Total fallen	.....	1,828	1,048	1,040	.57	495	.47	.37	.35
Picked	.....	208	157	158	.76	96	.61	.67	.12
Grand total	.....	2,036	1,205	1,198	.59	591	48	.....	.17

A SECOND CONTRIBUTION TO A KNOWLEDGE OF THE LIFE HISTORY OF THE HESSIAN FLY

(*Cecidomyia destructor*, Say).*

In the valuable monograph on the Hessian fly published in the 3d Report of the United States Entomological Commission (1883), the following summary of the facts relating to the life history of the species is given:

"There are two broods of the fly, the first laying their eggs on the leaves of the young wheat from early April to the end of May, the time varying with the latitude and weather; the second brood appearing during August and the early part of September, and laying about thirty eggs on the leaves of the young winter wheat.

"The eggs hatch in about four days after they are laid. Several of the maggots or larvæ make their way down to the sheathing base of the leaf, and remain between the base of the leaves and the stem near the roots, causing the stock to swell and the plant to turn yellow and die. By the end of November, or from thirty to forty days after the wheat is sown, they assume the 'flaxseed' state, and may, on removing the lower leaves, be found as little brown, oval, cylindrical, smooth bodies; a little smaller than grains of rice. They remain in the wheat until during warm weather; in April the larva rapidly transforms into the pupa within its flaxseed skin, the fly emerging from the flaxseed case about the end of April The eggs laid by this first or spring brood of flies soon hatch; the second brood of maggots lives but a few weeks, the flaxseed state is soon undergone, and the autumn or second brood of flies appear in August. (In some cases there may be two autumn broods, the earliest August brood giving rise to a third set of flies in September)."

It was especially to test, for the latitude of Southern Illinois, the details of this, the current biography of the Hessian fly in America, that I commenced observations on the subject in Southern Illinois in 1883. The results thus far established show that in that latitude a large percentage, at least, of the flies emerge as imagos before wheat harvest or immediately thereafter (May 28 to June 28); that, if opportunity offers, the fly will breed

*For a previous contribution, which includes an account of the parasites, see 14th Rep. St. Ent. Ill., pp. 38-50.

freely in volunteer wheat at a date earlier than its usual breeding season in wheat of the regular sowings; and that the greater part of this midsummer generation emerge as winged flies before winter and lay their eggs immediately, thus giving origin to a third brood which hibernates chiefly in the puparium. In some instances, however, they pass the winter in various degrees of advancement, from the recently hatched larvæ to the fully formed semi-pupa. In the experiments on which the latter statements are based, the individuals of this third brood came to maturity in spring a little later than those of the usual fall brood, many of the pupæ being fully formed April 15, and the imagos commencing to emerge April 24. .

Concerning the early transformation to the imago, of naked larvæ and recent "flaxseeds" (puparia) found in the wheat late in spring—from May onwards—I have only to add here to the data given in the 14th Report the following item derived from our collections of 1886. A lot of full grown larvæ with a few recent puparia collected from growing wheat in Lawrence county May 15, commenced to emerge on the 28th May* and continued to appear as winged flies until the 17th June. The history of the field in which this collection was made is peculiar and will be referred to later. It is further worthy of note that puparia obtained by me from the wheat at Edgewood, June 17, yielded a few imagos July 5.

Most of our observations and experiments for the present year were especially directed to a determination of the dates of the occurrence, in volunteer wheat, of the different stages of the insect, and to the mode of hibernation of the descendants of the midsummer brood.

IN VOLUNTEER WHEAT.

The occurrence of the larval fly in volunteer wheat in the latter part of summer or early in fall has been already reported more than once by farmers, but has commonly either been discredited, or reckoned an occasional phenomenon, due to exceptional conditions. To an inquiry addressed last spring to a number of observant farmers, and others of my acquaintance, I received several answers to the effect that the occurrence of the larval fly in volunteer wheat was a common event in Southern Illinois.

Mr. George H. Stookey, of Freeburg, writes: "In regard to the fly in volunteer wheat, if the stubble is plowed early—say in July—I think the flaxseeds occur late in August. I have noticed that when there is volunteer wheat, if it is plowed under or pastured off, the Hessian fly is not nearly so destructive to the following crop."

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*The appearance of imagos May 24, 1887, from puparia collected at Edgewood, is to be added to the above. These imagos deposited eggs at once, as stated on another page.

Mr. Samuel Bartley, of Edgewood, says: "I think your suspicion as to the third brood of the Hessian fly is well founded—I think there is no doubt of it. I have several times plowed my wheat stubble as soon as the wheat was cut—not waiting to take shocks off the ground—and the volunteer wheat was nearly destroyed by the fly; and if I neglected to plow the ground the second time, before sowing, I would be nearly sure to fail in raising a crop on account of the fly."

From Mr. John Marten, of Albion, I had the following reply: "For three seasons past I have found the larvæ in considerable numbers on the *volunteer wheat after plowing the stubble under.* This was most extensively noticed last August, when I found an abundance of larvæ on volunteer wheat where plowing had been done. They were most abundant during the last few days of August and the first two weeks of September, after which I was not able to visit the field for some time."

Hon. David Gore writes from Carlinville: "I have observed the fly in volunteer wheat after the stubble had been plowed, but do not remember seeing it so far advanced as the flaxseed form."

Mr. F. Helms, of Heinrichtown, a farmer well acquainted with the fly in all its stages, sent me, in reply, the following interesting and important information:

"I have found the Hessian fly (flaxseed stage) in volunteer wheat every year for more than twenty years, some years in vastly greater numbers than others. The date of the formation of the flaxseeds seemed to depend on the time the wheat came up. I have seen them in the early part of September. In 1879 I sowed, for experiment, some ten acres of wheat about the 20th of August on strong land. The wheat made a quick start, and looked fine and well when about three or four inches high. The flies then deposited their eggs in great numbers, so that it was almost impossible to find a blade free from them. Dry warm weather followed, and the wheat was nearly killed by the fly (now in the flaxseed). The warm weather continuing long enough to allow the fly to hatch, the wheat then took a new start and made a fine pasture for sheep during the winter and early spring, and matured a good crop of heavy wheat."

Mr. W. H. Cotter, of Edwardsville, says that he has seen the fly in volunteer wheat in great abundance,—"particularly between the middle and the latter part of September;" and Mr. Jas. R. Miller writes from Caseyville substantially to the same effect.

Mr. F. C. Krinard, of Bunker Hill, Macoupin county, observed the volunteer wheat to contain the Hessian fly in as great numbers as wheat sown at any time during the season, if examined four or five weeks after its coming up.

IN EXPERIMENTAL SOWINGS.

For the purpose of securing more precise and complete data concerning the midsummer history of the fly in Southern Illinois, I selected for experimental midsummer sowings a field near Edgewood, in Effingham county, belonging to Mr. J. Lundberg, and one belonging to Mr. Aaron Young, at Billett Station, in Lawrence county, both of which had been too badly damaged by the fly to repay harvesting. These were, in fact, the only fields I was able to find in Illinois where the damage was last year sufficient for my purpose.

THE LAWRENCE COUNTY FIELD.—The history of this field was thus reported to me by the owner. It bore its first wheat in the summer of 1885—an excellent crop, showing no sign of the fly at any time. After harvest, the stubble was plowed between the 5th and 10th of July, and considerable volunteer wheat sprang up which became badly infested by the fly. This wheat was allowed to stand until *the last week in October*, when the ground was sowed again to wheat, put in with a double-shovel plow. This grain started well, but became, notwithstanding, somewhat infested with the fly that fall (1885), and May 1 of the following spring was seen to be badly damaged. On the 15th May, 1886, it contained great numbers of naked larvæ, with a few freshly formed puparia. From these larvæ, transferred to our breeding cages, we obtained several imagos May 28, and June 8 and 17. The wheat was so badly damaged that it was not harvested, but was plowed up in June and the ground planted in part to melons and in part sowed to wheat for my experiments.*

Four successive experimental sowings were made for me by Mr. Young, on lots each about one rod wide and ten rods long, the stubble being each time plowed for the purpose immediately before sowing. The first, made July 13, 1886, came freely, but was soon nearly all killed by a violent attack of a new, third brood of the wheat bulb worm, *Meromyza americana*—as detailed elsewhere. Enough remained, however, to afford a sufficient temptation to any flies that might be abroad in search of a place of deposit for their eggs. The second sowing, made July 28, suffered like the first. Between these two sowings, a neighboring field of wheat stubble was plowed, and soon produced a good growth of volunteer wheat, which was of great use to us later.

The third and fourth sowings, made August 5 and 19, grew well, and received no damage until attacked by the fly.

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*In a field adjacent, sowed October 10—much earlier, that is, than the infested wheat—no fly appeared either in fall or spring, but the grain was headed finely May 15, and ultimately made a good crop. It seems highly probable, therefore, that the flies which deposited their eggs in the later wheat came only, or chiefly, from the volunteer wheat in the fall of 1885, and that if these had been killed by complete and timely destruction of the volunteer wheat itself, the subsequent damage would have been prevented. It is also apparent that the remarkable fact of the destruction of the late sown wheat, while early sown wheat beside it escaped, is to be similarly accounted for. In the volunteer wheat the fly passed the period of early frosts in the relatively hardy state of larva or puparium, emerging later as the delicate and susceptible winged imago, and finding time between frosts to deposit its eggs in the young grain amid which it came to light.

My first visit to this field was made August 4, at which time two strips had been sowed, the wheat on the first being four inches high and that on the second just coming up. Several hours' search in the former plot gave no trace of the fly in any condition. A large number of plants sent to the office were carefully scrutinized, especially for the egg upon the leaf, but likewise without success. This wheat was badly damaged (as already said) by the third brood of the wheat bulb worm (*Meromyza americana*), one half to two thirds of the plants having been already killed by this insect. On the 20th August these plots were visited by my assistant, Prof. Garman, and the volunteer wheat mentioned above was also searched, but equally without result. The wheat was now almost exterminated by the bulb worm upon the first two plots, and these were thereafter left out of the account. Only small patches occurred where the plants were possibly thick enough to attract the imago.

On the 4th September I spent several hours in the *volunteer wheat* (which, it will be remembered, sprang up about the 20th July), searching in every imaginable way for eggs and larvæ, but finding nothing of the Hessian fly. Three hundred and seventeen plants selected from those least flourishing were sent to the office and there carefully searched, magnifier in hand, for both eggs and larvæ, but not one of either was detected.

Again, September 18, this field was thoroughly investigated, about two hours being spent by myself and several volunteer assistants in closely examining leaves and stalks and tearing the plants in pieces. Although several other dipterous larvæ and pupæ were discovered, some of them possibly injurious to the plant, not a trace of the Hessian fly was seen. The owner assured me, however, that he had the day before happened upon two puparia which he was certain were those of the species in question. Ten days later (on the 28th Sept.) I received from Mr. Young a small vial of alcohol, containing larvæ and puparia of the Hessian fly, the latter freshly formed, the former from half to full grown. These were taken by Mr. Young from the volunteer wheat, and were the earliest positive indications found that this wheat had been infested. As about three weeks* is required for the growth of the larva from the egg, the latter was probably laid for the larger larvæ not long after September 5.

The difficulty of finding in fields of wheat a few scattered examples of objects so minute as the egg of the Hessian fly, explains our failure to detect it at the time. Indeed it was not until the individual plants began evidently to suffer that it became at all easy to find even larvæ in the field.

October 11, I again visited Billett Station, and found numbers of larvæ and puparia of the fly, about one third to one half of the stalks being infested, and those containing the pupuria all dead. Probably a tenth of the specimens obtained were puparia, seven

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*See next page.

tenths full-grown naked larvæ, and the remaining fifth, in various stages of growth, from half a millimeter upwards. Not unfrequently four or five larvæ were found in a single stalk, and as many as two in probably half those examined. The wheat was about six inches high—the dead stalks from three to five inches. One dark-colored broken puparium noticed contained the larva not yet pupated. In wheat brought in from the field at this time, eighty-six examples of the fly were found; twenty-two of them larvæ less than half grown and twenty-eight larger, twenty-four recent puparia, mostly formed since collecting, and twelve puparia whose deeper color showed their greater age. On the 5th November the wheat remaining in this field which had escaped the plow contained many puparia of the fly and an occasional nearly full-grown larva. In a strip of young wheat adjoining this (sowed Oct. 5), at this date just beginning to stool, an abundance of larvæ of the Hessian fly occurred,—mostly full grown, but a few of them young. As this wheat could not have appeared above ground before October 12, these larvæ must have developed from the egg within three weeks.

I ought to add that careful sweepings were made both in and around the wheat fields on all our visits, in the vain hope of obtaining the adult fly.

The Effingham County Field.—Four sowings were made at Edgewood, as at Billett Station, and at similar intervals; but as only one, that made August 5, was successful, the others failing to germinate on account of the extreme drouth, this one only need be discussed. August 21, this wheat, although well up and large enough to contain the fly, gave us no evidence of its presence. Unfortunately no other visit was made here until September 22, and at this time larvæ of the fly were not uncommon in the field,—a few nearly full size, but most of them not over half grown. A number of these were transferred with the wheat to breeding cages, and commenced to form the puparium October 2, and to yield the fly October 22. Combining these data with those just given for the larva, we have a period of something over forty days for the development of the autumnal generation—the only part of its history not covered by these two observations being the time passed by the full grown larva before the formation of the puparium. This must vary greatly with circumstances, as the larva may even form its pupa case—if deprived of food—some time before it has reached its normal size. A period of six or seven weeks is probably about the normal one for a single generation fully supplied with food, under favorable weather conditions in fall. Other flies emerged October 29, and proceeded at once to lay eggs in the vial in which they were confined, the eggs adhering in a string as they were extruded from the body of the female.

October 12 I found this wheat from six to eight inches high, well stooled, with here and there a dead stalk containing puparia of the fly, but only rarely a naked larva,—probably in not five per cent. of the instances. Careful sweepings yielded no adults.

From these puparia, October 18, three adults emerged—two males and a female. These were confined, alive, in a small bottle, and the single female at once laid eggs freely on the sides of the bottle, but nowhere else. By the next morning after the appearance of these imagos, this single fly had perished after laying sixty-seven eggs.

On the 16th November, this plot of August wheat contained an abundance of naked larvæ, with a few recent puparia. A handful of wheat sent to the office contained one hundred and ninety-one immature specimens,—fifty-eight being darkened puparia, thirty-one puparia freshly formed, and one hundred and two larvæ of various sizes, from two millimeters up—the smallest seven averaging about two and a half millimeters in length. Search in the other wheat fields of this vicinity gave no evidence whatever of the occurrence of the fly.

If we scan now more closely the results in these experimental plots, we shall note in the first place a much later appearance of the fly than the reports of my correspondents had given reason to anticipate. While the letters quoted agree substantially that full grown larvæ and puparia appear in wheat from the last of August to the middle of September, our own earliest examples were obtained September 22 (Edgewood), at which time few or none of the larvæ were more than half grown; and the specimens sent from Billett Station on the 28th September were in about the same relative stage of advancement.

The late appearance at Edgewood might be reasonably attributed to the failure of the earlier sowings to germinate, no wheat being in condition to attract females in search of suitable places for the deposition of their eggs until about August 15 or 20. As the time for the maturing of the brood is seen, however, to vary little from six weeks at that season of the year, it is likely that at Edgewood the eggs were laid about September 21. On the other hand, at Billett Station, where the rain-fall was much more timely and abundant, there was no such failure of the earlier sowings; and we can only adjust the facts there observed to the theory of a normal earlier development of the midsummer flies by supposing that the overwhelming attack made upon the first two plots by the wheat bulb worm, prevented the female Hessian flies from resorting to the same wheat. Evidently, however, another season's experiments will be needed to explain these discrepancies.

A further item of interest appears when we compare the condition of the fields at Edgewood and Billett Station, October 12. At the former place, about ninety-five per cent. of the larvæ had formed the puparia, while at Billett Station no more than ten per cent. were so far advanced, the remainder being naked larvæ of all sizes, from the smallest up. This discrepancy is, however, explained without difficulty by the different surroundings of the fields. The one at Edgewood being the only tract in the entire region in which we were able to find before harvest any traces of the fly, it probably became infested only from the flies which de-

veloped in that field. These coming out among the young wheat found immediate opportunity for oviposition, and, following the usual habit of the species, proceeded to breed without delay. Here at Edgewood, consequently, we had a practically isolated experiment, not interfered with by invasion from without. At Billett Station, however, the fly was common enough throughout the country surrounding to do noticeable damage to fields not far away, and there, doubtless, the repeated entrance of outside imagos searching the country for growing wheat, lengthened out the time of oviposition and the development of the brood.

The isolation of the field at Edgewood gives us this further valuable information. It will be remembered that the larvæ collected there September 22, first formed the puparia on the 2d October, and gave the first imagos on the 18th of that month. Now, November 16, we found in this field an abundance of larvæ and puparia, most of the latter freshly formed,—necessarily descended, therefore, from the imagos resulting from the first brood of larvæ developed in this plot. We have here, additional and conclusive proof that the time required for the development of a brood from the appearance of the puparia of one generation (October 2) to those of the next (November 16) is, at that season of the year, about six weeks.

To the above record of observations for the experimental plots I need only add that a visit made November 23 to wheat fields near Albion, Illinois, revealed the same state of affairs with respect to the fly as occurred in these special cultures, about ten per cent. of the examples found being puparia, and the remainder naked larvæ, mostly full-grown. Both these latest observations at Edgewood and Albion were made during a period of severe frost and falling snow; and they consequently show beyond question the hibernation of the fly, in large part, as naked larvæ. This item in the history of the insect has been previously reported only by Mr. John Marten, of Albion, whose observations were printed in the "Fruit Growers'" Journal of Cobden, Illinois. I have not seen the article, but Mr. Marten kindly furnished me, March 22, 1886, the following abstract of it, so far as it relates to this subject:

"Beginning in October, 1883, my observations extended to near the middle of March 1884, during which time I examined several hundred of the larvæ. Many of them had not, up to the end of February, formed the puparia, or outer hardened skins, in which they usually pass the winter and undergo their final transformations. This, so far as I can learn, is a new feature in the habits of the fly; and it is exceptionally strange at that time, as during the period of observation we had a temperature of from 26° to 30° below zero, with intervals in which the fields were quite free from snow. This change (the forming of puparia) began to take place as early as October, 1883, but was not so marked in some fields as in others. The unchanged larvæ were found in two fields through January, 1884, and in one field which was well pro-

tected by trees, until February 28,—the last date on which they were found. All attempts at rearing these unprotected larvæ failed, some dying without forming puparia, while others formed puparia that were lighter in color and thinner than the normal form."

At the present time (November 26) fields near Albion, in White county, are in precisely the condition described above by Mr. Marten, about nine tenths of the flies being naked larvæ, and many of them very small.

The final fate of these hibernating larvæ can only be determined by observations next spring.*

[Imagos of the second brood emerging in our breeding cages before harvest, have not ordinarily laid eggs, neither made any apparent preparations for that duty,—a fact which has suggested to me the idea that these midsummer imagos were prepared by nature for an interval of waiting before giving origin to another generation, this interval corresponding to the period of barren stubble fields between harvest and the growth of volunteer grain. However, in one instance, imagos which emerged May 24, 1887, laid eggs at once in the vials where they were confined, and the occurrence of even four broods of the Hessian fly in Illinois becomes possible. Confirmation of this supposition is afforded by the occasional finding of puparia with living larvæ above the upper node of the stem as late as July 12, the eggs for which must have been laid on the upper leaf of the plant, and consequently at a date quite too late for the first or spring generation of imagos. June 30, 1887.]

SUMMARY AND DISCUSSION.

From all the foregoing we draw the following important practical conclusion,—that the development of a third (autumnal) brood of Hessian-fly larvæ derived from imagos which emerge after the first autumnal frosts, may sometimes make of no effect the practice of late sowing—at present the standard defense against the fly—or may even make late wheat more subject to injury than the earlier plantings. How this comes to pass will be seen when it is remembered that late sowing as a defense against the fly is a procedure based upon the delicacy of the winged insect and its sensibility to frosts. By postponement of wheat seeding until the first hard frost of autumn, it is hoped to get beyond the reach of

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*In our breeding cages these hibernating specimens (Edgewood) gave the imago in moderate number from April 23 to May 3, 1887, and the proof of a third brood in our latitude is consequently complete.

It must not be forgotten, however, in this connection, that both our own observations and those of others show that individuals of each generation may lie dormant in the puparium during the whole life of the generation following, finally emerging with the descendants of their original contemporaries. Those puparia which form in May and June may not yield the imago until September, and those which form in volunteer wheat in September may hibernate and emerge in spring. The division into several broods is consequently not complete, and will probably be found less and less so as one passes into more northerly latitudes.

I suspect that drought may retard the metamorphosis of the larva, and that the generations may follow each other more closely and rapidly in wet weather than in dry.

the flies, which these frosts will kill if in the imago stage. If, however, these winged flies have already bred in volunteer and early wheat, and if the early frosts find the insect in the hardy stage of larva or puparium, the flies emerging from these, as they mature, will often make their appearance *between frosts* and deposit their eggs on the youngest wheat accessible, before being overtaken by killing cold. As late wheat is then in a condition more tempting to the mother fly than that in earlier sown fields, it is, on the whole, more likely to suffer serious injury.

It seems to be sometimes the case, however, that a field of early wheat infested in autumn, in the usual way, will develop the imago of the regular autumnal brood so early that it may be again attacked by the second autumnal brood and destroyed before cold weather arrests the ravage. Whether, consequently, the wheat be sown early or late, it is very evidently important that particular attention be paid to the volunteer wheat in regions subject to injury by the fly. If the land were so handled that the volunteer wheat, rye, and barley were not allowed to spring up, or if they were killed everywhere as fast as they should appear, no midsummer brood could develop, and the fall grain would be much less liable to attack. The late wheat especially would be protected, and late sowing would have the desired effect.*

Neither spring wheat nor barley are raised in Southern Illinois, but it may be proper to add that if they were, they would greatly complicate the problem of protecting the wheat from the Hessian fly.

I believe, however, that a more valuable use of the facts in the case may be made than this. Although our knowledge of the fly does not lead us to believe that it is perfectly three-brooded, and does not even justify us in assuming that all the winged flies coming out before and soon after harvest will deposit their eggs in volunteer wheat if this is offered them, yet it is certain that a large part of them will do so; and our recent observations indicate that the residue which will, under these circumstances, delay their oviposition† until a moderately late sowing time, is so small that it would be unlikely to do any great harm. Or, in other words, our present information warrants us in saying that if the fly is given an opportunity to breed in volunteer wheat, and if the progeny resulting are destroyed before the transformation to the winged insect, damage by the fly would be greatly lessened, if not practically prevented, in the latitude of Southern Illinois.

The mode of procedure which here naturally presents itself is such a management of the land as will, first, encourage the growth

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*A dry season is usually favorable to insect development, but the Hessian fly has been considered an exception to this very general rule. It seems possible that this seemingly detrimental influence of dry weather may be due to the failure of volunteer wheat, and the consequent suppression of the summer brood.

†It is by most writers believed that the female imago cannot delay oviposition, but that living only a few days, she must lay her eggs at once, whether conditions are favorable to their development or not.

of volunteer wheat and, second, destroy this at a time to catch the progeny of the earlier breeding flies before they have had time to mature. Just what the details of this procedure should be, is a question for the farmer rather than for the entomologist; but I suppose that the conditions may best be met by plowing the stubble rather early, to give the volunteer wheat a chance to start, and then so timing the planting that this wheat may be killed by the final preparation of the soil (say with a rotary harrow) just before the grain is sown for the regular crop. In other words, what is wanted to give effect to this idea is a definite interval between plowing and sowing, and a final treatment of the soil such as will kill the volunteer wheat. It is not necessary that either plowing or sowing should be done at any uniform time, but only that the proper interval be preserved between them. For more precise indications we must wait until another year has given us an opportunity to verify this season's results and to reconcile, if possible, some discrepancies between our own observations and those of our correspondents; but the interesting fact remains that the early breeding of the fly in volunteer wheat is a weak point in its life history, of which we may reasonably hope to take advantage for the overthrow of this great enemy of wheat culture in Illinois.*

If it should prove to be true that a much larger percentage of the fly than I have estimated continues in the stubble in midsummer, we shall then simply have to revive, as an adjunct to the protective measure above outlined, a preventive method already often recommended; viz., that of using every opportunity to burn the stubble after harvest and to destroy the screenings from the thresher, in which such of the puparia will appear as were carried away with the straw. By a general practice of these precautions, it is now very likely that the Hessian fly could be in very great measure controlled.

I add two calendars summarizing in tabular form the entire mass of our data respecting the life history of the Hessian fly in the southern part of the State.† The first of these tables exhibits the dates and localities of all our collections and observations of the fly in its various stages, while the second presents an abstract of the results obtained by breeding only. The numbers in parentheses on the second table in the columns devoted to imagos and eggs, refer back simply to the figures at the left of the table, and indicate the original lots from which imagos and eggs were bred.

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*Fortunately the measure here recommended against the Hessian fly will be equally effective against a companion insect, sometimes scarcely less injurious, viz., the wheat bulb worm, *Meromyza americana*, since the second brood of this species occurs in volunteer wheat at substantially the same period as the fly.

† Complete to Dec. 30, 1886. The divisions between the broods are indicated by the heavy transverse lines in each column.

This history of the Hessian fly agrees closely with that of the wheat bulb worm, which insect is now also known to be unquestionably three-brooded. The period of the second brood coincides almost exactly with that of the Hessian fly, the third brood agreeing also, except that it is somewhat retarded in its later stages, hibernating only as a naked larva, and not reaching the imago stage until May,—nearly a month later, on an average, than the corresponding stage of the fly. The first brood of the Meromyza is correspondingly later than the other in its origin, but passes through its transformation more rapidly, development from the egg to the imago occurring, so far as our observations show, within the limits of a single month.

Calendar of the Life History of the Hessian Fly.

No.	Date.	Larvæ.	Puparia.	Imagos.	Eggs.	Remarks.
1	March 15.....		1886			Edgewood.
2	April 9.....		1884			Marshall,
3	" 10.....		1883	1883	1883	Centralia.
4	" 14.....		1883	1883		Centralia.
5	" 23.....			1886		From No. 1.
6	May 5.....	1883				DuQuoin.
7	" 15.....	1886	1886			Billett Station.
8	" 17.....	1883	1883			Odin.
9	" 19.....	1884				Albion.
10	" 21.....		1884			Marshall.
11	" 24.....	1883				Decatur.
12	" 25.....	1884	1884			Robinson.
13	" 26.....	1884	1884			Robinson.
14	" 27.....	1884	1884			Mt. Carmel.
15	" 28.....			1883		Bred from No. 6.
16	" 28.....			1886		Bred from No. 7.
17	" 30.....		1884			Carmi.
18	" 31.....		1884			Eldorado.
19	June 2.....	1884	1884			Robinson.
20	" 3.....		1883			Macoupin county.
21	" 3.....		1884			West Union.
22	" 3.....		1884			Villa Ridge,
23	" 4.....		1883			Bred from No. 6,
24	" 4.....		1884			Anna.
25	" 6.....		1884			DuQuoin.
26	" 7.....		1884			DuQuoin.
27	" 8.....			1886		Bred from No. 7.
28	" 12.....		1883			DuQuoin,
29	" 14.....	1884	1884			Robinson, Young.
30	" 15.....			1883		Bred from No. 6.
31	" 17.....		1886			Edgewood.
32	" 17.....			1886		Bred from No. 7,
33	" 17.....		1884			Robinson.
34	" 17.....			1884		Bred from No. 22.
35	" 18.....		1884			Anna.
36	" 20.....		1884			Robinson.
37	" 20.....			1884		Bred from No. 10.
38	" 20.....			1884		Bred from No. 22.
39	" 22.....			1884		Bred from No. 24.
40	" 22.....			1884		Bred from No. 21.
41	" 24.....		1884	1884		Robinson.
42	" 24.....		1884			Anna.
43	" 25.....		1884			Marshall. Contain living larvæ.
44	" 26.....		1883			Warsaw.
45	" 27.....		1884			Robinson.
46	" 28.....			1884		Bred from No. 41.
47	" 28.....			1884		Bred from No. 21.
48	" 29.....		1883			Godfrey.
49	" 30.....		1883			Jerseyville.
50	" 30.....		1884			Contain living larvæ.
51	July 1.....		1884			Marshall.
52	" 4.....		1883			DuQuoin.
53	" 5.....			1886		Bred from No. 31.
54	" 5.....		1884			Marshall.
55	" 7.....		1883			Effingham.
56	" 7.....		1884			Contain living larvæ.
57	" 9.....		1883			Villa Ridge.
58	" 12.....		1884			Anna.
59	" 20.....		1883			DuQuoin.
60	Aug. 5.....		1883			DuQuoin.
61	" 7.....		1883			DuQuoin.
62	Sept. 6.....		1883	1883		Centralia.
63	" 22.....	1886				Edgewood.
64	" 28.....	1886	1886			Billett Station.
65	Oct. 2.....		1886			From No. 63.
66	" 12.....	1886	1886			Edgewood.
67	" 18.....			1886	1886	Bred from No. 63.
68	" 20.....	1884				Robinson.
69	" 22.....			1886		Bred from No. 63.
70	" 29.....			1886	1886	Bred from No. 63.
71	Nov. 2.....	1886	1886			Billett Station.
72	" 16.....	1886	1886			Edgewood,
73	" 23.....	1886	1886			Albion.
74	Dec. 9.....	1883	1883			Anna.
75	" 27.....		1883			Albion.

Summary of Breeding-Cage Results.

No.	Date.	Larvæ.	Puparia.	Imagos.	Eggs.	Remarks.
1	March 15.....		1886			
3	April 10.....		1883	1883	1883	Centralia.
5	" 23.....			(1)*		
6	May 5.....	1883	1883			DuQuoin.
7	" 15.....	1886	1886			
10	" 21.....	1884	1884			Marshall.
15	" 28.....			(6)		
16	" 28.....			(7)		
21	June 3.....		1884			West Union.
22	" 3.....		1884			Villa Ridge.
23	" 4.....			(6)		
24	" 4.....		1884			Anna.
27	" 8.....			(7)		
30	" 15.....			(6)		
31	" 17.....		1886			Edgewood.
32	" 17.....			(7)		
34	" 17.....			(22)		
37	" 20.....			(10)		
38	" 20.....			(22)		
39	" 22.....			(24)		
40	" 22.....			(20)		
41	" 24.....		1884			Robinson.
46	" 28.....			(41)		
47	" 28.....			(20)		West Union.
53	July 5.....			(31)		
63	Sept. 22.....	1886				
65	Oct. 2.....			(63)		
66	" 12.....	1886	1886			
67	" 18.....			(66)	(66)	
69	" 22.....			(63)		
70	" 29.....			(63)	(63)	

*The figures in parentheses refer back to the original breeding-cage lot, as numbered in the left-hand column of the table.

ON THE LIFE HISTORY OF THE WHEAT BULB WORM (*Meromyza americana*, Fitch).

This beautiful and interesting insect develops, as our acquaintance with it improves, from the author of a conspicuous but insignificant mischief (as it was known three years ago) to a dangerous and occasionally very destructive secret enemy to wheat culture in the United States. Having published an elaborate account of it in my Report for 1883, I give here only a brief summary of the facts hitherto ascertained concerning its life history, with a report and discussion of the observations of the present season.

Previous to the publication of that article the species was regarded as single-brooded. I there gave, however, evidence of the existence of a second brood, summarizing the facts as follows:*

From the above we may infer with certainty the existence of two broods of this insect, the larvæ of one appearing in autumn and of the other in summer. It must be admitted also, that we have not excluded the bare possibility of a third brood, at least under favorable circumstances, which may develop in August and September in volunteer wheat and rye, or, possibly, in grass, or some other plant.

"Assuming that there is no such brood, we find the life history to be about as follows: The eggs from the autumnal brood of the flies are doubtless laid as soon as the wheat is ready for them. From these eggs the worms hatch in September and October, doing usually much damage to wheat in fall, but continuing the work in spring. By the middle of April they commence to pupate, but do not all complete this transformation before the middle of May. The pupal state lasts about a fortnight, the flies emerging from May 1 to June 1, or thereabouts.

"Late in May and early in June the eggs for the next brood are laid under and about the sheaves of the upper leaves of the now heading wheat and rye; and these hatching, the larvæ of the second brood make their way inward to the tender base of the young pedicel of the head, just above the upper joint. Here they

*Pages 21 and 22.

may be found feeding on the tissues of the stem from the middle of June to the first of August, by which latter date all have pupated and most have transformed to winged flies. These have been seen to emerge from the pupa at intervals from July 4 to August 5, and, in all probability, then remain in waiting for an opportunity to lay their eggs on the earliest wheat to appear."

A brief note in the Report for the following year (1884) p. 54, confirms the above account by mention of the occurrence of half-grown larvæ in rye October 31. It is now rendered probable, however, that these larvæ were descendants of an earlier brood by which the same rye had been infested, the field in which these occurred having been sown for pasture July 9. At any rate the observations of the present year in experimental wheat sown for the study of the life history of the Hessian fly, show unquestionably the existence of an additional brood in volunteer wheat in August and September, the corresponding stages of this insect occurring side by side with those of the Hessian fly, or possibly, on an average, somewhat earlier.

The inference of an additional brood was first announced in a paper read by me August, 1886, before the Entomological Club of the American Association for the Advancement of Science, a brief abstract of which was printed in the "Canadian Entomologist" for September, 1886. The same fact was also stated in a paper on "Entomological Progress in Illinois," printed in the "Prairie Farmer" for November 13, 1886.

My first notes of the year on this subject were made August 4, as the result of a visit to an experimental wheat plot sown July 13, at Billett Station, in Lawrence county. This wheat had sprung up finely and was at that date from one to four inches high. About a week earlier, the owner had noticed that it had ceased growing, or was even dwindling away, and now from one half to two thirds of it was dead, many of the plants entirely gone, and others with the central leaf withered and the growth of the plant arrested. The base of this dead leaf was always gnawed or eaten within the sheath, and in every case where the author of this mischief could be found (probably in about ten per cent. of the damaged plants) it proved to be the larva of Meromyza, varying from half size to full grown. On a single leaf the eggs of the species were found still unhatched. Additional larvæ, now full grown, were obtained from this field September 3. By the 5th September most of these had formed puparia, and the flies emerged September 28. From other larvæ obtained September 11, no Meromyza imagos were bred, but several of the commonest parasites of the species, *Cœlinius meromyzæ*, Forbes, appeared in the breeding cage about two weeks later.

From a plot of wheat sown at Edgewood, August 5, the larvæ were obtained on the 22d September, and a single adult Meromyza resulted October 22. Larvæ of this brood (or possibly the next) continued to appear in small numbers in our collections until the

12th October. During all this time no imagos could be got by widespread and diligent sweeping. On the 14th of that month, however, no larvæ occurred in the experimental plots, but a single imago was taken in the one at Edgewood. Again, on the 27th October, an imago occurred in our collection at Champaign. On the 31st October, 1884, half-grown larvæ were found in rye; on the 2d November a single larva occurred in wheat at Billett Station; and on the 16th November full grown larvæ were obtained at Edgewood. The passage from the second to the third brood of this species occurs, consequently, in October.

To these data I will only add the following record of times and places of occurrence of the imago of the third brood. This was taken in wheat at Danville on the 20th May; at Urbana on the 21st; at West Union, in Clark county, on the 24th; at Mt. Carmel on the 28th; at Anna on the 6th June; and at Champaign June 18, at which latter date the larvæ of the following generation were also already to be detected in the part of the stalk just above the upper node.

Besides my own contributions, we have a series of observations made by Mr. F. M. Webster, an assistant to the Entomologist of the United States Department of Agriculture, published partly in 1885* and partly October 50, 1886.† These observations, made in the same latitude as my own, confirm the interpretation of the facts here given and extend somewhat the periods of the different stages of the insect. They are incorporated in the calendar on another page, but need not be separately discussed.

Prof. A. J. Cook, of Michigan, reported in the "Prairie Farmer" for August 21, 1886, the frequent occurrence of the wheat bulb worm in the stems of oats, upon which it produced, of course, the same effect as upon wheat and rye. He also suggests the possibility of its working in autumn in volunteer oats.

These data may be generalized in the following summary account of the life history of the species. The eggs of the first brood are laid in May and June, the generation of larvæ resulting continuing into July, but commencing to pupate in June, and first reaching the imago stage early in July. These imagos doubtless live until August, during the early part of which month the eggs are laid for the second brood. The larvæ of this brood may be found in August, September, and October, transformations probably commencing during the latter part of August. Certainly imagos occur during September and October; and the eggs for the third or winter brood are laid in September, so far as observed. The larvæ resulting from these eggs in October and November, hibernate without transformation and continue until the middle

*Rep. Com. Agr. for 1884, p. 389.
†Purdue Univ., School of Agr., Bull. No. 9, p. 5.

of May, some of them pupating, however, as early as the 5th April. Finally, the imagos from these pupæ appear in May and June.

We are, unfortunately, unable to say as yet whether this insect is dependent on an opportunity to breed in volunteer grain, whether it may breed in other grass-like plants, or whether it may, on occasion, suppress its midsummer brood and content itself temporarily with two generations a year.

The fact that the bulb worm occurs in volunteer wheat contemporaneously with the fly and in the corresponding stages, makes available for the control of this insect the measures recommended against its better-known companion. To recapitulate these briefly, if stubble ground be so managed as to promote a growth of volunteer grain at such an interval before seeding that the final preparation of the soil will destroy the young growth while the bulb worms infesting it are still too young to complete their transformation, this must necessarily check the multiplication of the pest, if it does not completely arrest it. There is, however, a possibility that this insect will be found to breed in volunteer oats as well as in the winter grains, in which case the method outlined above will probably be of less effect than for the Hessian fly.

One interesting feature in the natural history of this species still remains undetermined. At present no mode of hibernation of the Meromyza is known except that in the larva stage in winter wheat or rye; but the imago has been decidedly abundant in summer in regions where winter grain is raised in very small quantity, and where, nevertheless, it did not suffer noticeably from insect injuries.

We have here, consequently, grounds for the suggestion that this species may develop in other plants than the various grains which alone it has hitherto been known to attack.

Calendar of *Meromyza americana*, Fitch.

(The single figures in the columns indicate the number of the brood.)

No.	Date.	Eggs.	Larvæ.	Pupæ.	Imagos.	Locality.	Remarks.
1	Mar. 12		3			Cuba	Full grown
2	" 20		3			"	"
3	Apr. 10		3			"	"
4	" 12		3	3		Centralia	
5	" 21		3			"	
6	" 27		3	3		Heyworth	
7	May 4			3	3		Bred from No. 3
8	" 6			3	3	Cuba	" "
9	" 8			3	3		" "
10	" 9			3	3		" "
11	" 10			3	3		" "
12	" 15		3	3		Cuba	
13	" 16			3	3		Bred from No. 3
14	" 17				3		" "
15	" 20				3	Danville	Scarce
16	" 21				3	Urbana	
17	" 23				3	Decatur	
18	" 24					West Union	
19	" 24				3	Normal	Swept from wheat and meadows.
20	" 28				3	Mt. Carmel	
21	" 30	1			3	Decatur	From No. 17
22	June 1				3	Cuba	Bred from No. 12
23	" 6				3	Anna	Rare
24	" 6				3	Oxford, Ind	From wheat fields
25	" 14		1			"	Nearly full grown
26	" 16		1			"	" "
27	" 18		1			Champaign	Wheat straws above upper node.
28	" 18		1			Kentland, Ind	
29	" 24			1		Oxford, Ind	
30	" 26		1			Warsaw	
31	July 1		1	1		Cuba	
32	" 4				1	DuQuoin	Swept from wheat stubble
33	" 14				1	Anna	
34	" 18				1	Oxford, Ind	Emerging
35	" 21				1	Lafayette, Ind	"
36	" 26				1	Oxford, Ind	"
37	Aug. 4	2	2			Billett Station	Half to full grown
38	" 27			2		Indiana	In volunteer wheat
39	" 31		2	2	2	"	Emerging. Swept from buckwheat
40	" 31		2	2		"	From volunteer wheat
41	Sept. 3		2			Billett Station	
42	" 3				2	Indiana	Bred from No. 40
43	" 5			2			Bred from No. 41
44	" 5			2		Indiana	Swept from volunteer wheat
45	" 6			2		Oxford, Ind	
46	" 7				2		Bred from No. 40
47	" 7				2	Centralia	Swept from wheat stubble
48	" 10	3					From No. 45
49	" 11				2	Billett Station	
50	" 11				2		Bred from No. 45
51	" 13				2		" "
52	" 16				2		" "
53	" 20				2		" " 40
54	" 22		2			Edgewood	
55	" 28				2		Bred from No. 41
56	Oct. 1		3 ?			Indiana	Bred from volunteer wheat
57	" 6					"	Swept from young wheat
58	" 7		3 ?			Billett Station	
59	" 12		3 ?			"	Half to full grown
60	" 14				2	Edgewood	Swept from young wheat
61	" 22				2		Bred from No. 54
62	" 27				2	Champaign	Swept from young wheat
63	" 31		3			Normal	Half-grown, in rye
64	Nov. 2		3			Billett Station	
65	" 5		3			"	
66	" 16		3			Edgewood	

ON AN OUTBREAK OF INJURIOUS LOCUSTS IN CENTRAL ILLINOIS.

BY CLARENCE M. WEED.

In an article published as one of the series of "Miscellaneous Essays on Economic Entomology,"* issued from this office last year, the writer recorded a few of the more important facts concerning an outbreak of two common locusts—the red-legged locust (*Pezotettix femur-rubrum*), and the olive locust (*P. differentialis*)—which occurred in Central Illinois during the summer of 1885. I have there reported the approximate boundaries of the infested area, the extent of injury within that area, and such observations as I had been able to make upon the situation and condition of the locust eggs at the beginning of the winter of 1885–86. It is proposed in the present paper to bring the record up to the autumn of 1886, when the observations ceased, and to present a few general considerations which it is hoped may form a useful contribution to the subject of entomological prognostication.

In the paper above cited I have shown that a considerable proportion of the eggs had been destroyed by various insect and other enemies during the autumn of 1885,—the most useful of these enemies being the larvæ of the ground beetles (Carabidæ), and those of the blister-beetles (Meloidæ). Late in March, 1886, the region was again visited, and extended observations were made upon the condition of the eggs. The meloid larvæ were present, though in the quiescent coarctate condition in which they pass the winter; but many of the carabid larvæ had already begun to work upon the eggs. The most remarkable feature of the situation, however, was the extraordinary abundance of the red locust mite (*Trombidium locustarum*) which was everywhere present on and beneath the soil surface. At French Grove, March 22, these mites were just beginning to come out of the ground; and in many pastures from one to four of them could be seen on every square foot of surface. By the roadsides they also swarmed. At Monica, on the farm of Mr. W. E. Elliot, thirteen of the mites were counted within a surface area of one square foot.

*Rep. Ill. St. Bd. Agr. 1885, appendix, pp. 48–56.

These mites were repeatedly seen, both in the field and laboratory, in the act of sucking locust eggs; and I believe that they did more to check the outbreak than any other agency.

CONDITION OF THE EGGS.

It may be worth while to give here some of the details from my notes, showing the condition of the eggs in the French Grove region, March 22–24. In a pasture belonging to Mr. R. C. Davis, where the locusts had been exceedingly destructive, forty-nine egg-masses were found, thirty-two of which had been destroyed. In this field carabid larvæ and red mites were abundant and the coarctate larvæ of certain meloids were not uncommon. In a meadow on the same farm, where also great damage had been done the previous season, a single egg pod was found, the eggs having been destroyed. In another pasture, belonging to Mr. J. C. Slocum, five egg-masses were found, all of which had been injured. Three meloid coarctate larvæ were here taken, and several carabid larvæ. Twenty-seven of the pods were found in a pasture belonging to Mr. Jacob Moore, but twenty-two of them had been destroyed. Carabid beetles were here abundant, and a few carabid larvæ were seen, as were also two Epicauta or Macrobasis.

I next examined a forty-acre meadow belonging to Mr. Geo. M. Moore, which had been largely destroyed by the locusts the previous summer. A part of it had been plowed late in autumn, but I could see no difference in the per cent. of pods injured on the plowed and unplowed portions. Twenty-one egg masses were found, nine of which had been destroyed. The injured remains of three pods, and two others in which the eggs were intact, were found on the farm of Mr. Wm. Andrews. Along the roadside various situations were examined and four masses were found, two of them being uninjured.

Thus far, in the eleven situations examined there were found a total of one hundred and three egg-masses, seventy four (or about seventy-three per cent.) of which had been destroyed. This probably fairly represented the condition of the locust eggs throughout that locality at that time, as especial pains were taken to make examinations in fields remote from each other, and in which the conditions varied.

ABUNDANCE OF LOCUSTS IN 1886.

The region was not visited again until June 4 and 5, 1886, when the country about Elmwood, French Grove, and Monica was thoroughly examined for young locusts, which were then mostly about a week old. As a result they were found to be everywhere extremely scarce; and I did not hesitate to express the opinion that in all probability there would be no appreciable locust injury in that region during the summer of 1886. The red mites had evidently completed the good work begun by the carabid and meloid larvæ, and destroyed a large proportion of the eggs yet present at the opening of spring.

The developments of the summer justified the prediction just mentioned. No injury was reported, and the locusts were remarkably scarce throughout the region indicated.

THE CAUSES OF NEEDLESS ALARM.

While in Peoria county late in March I heard occasional rumors of the appearance of numbers of grasshoppers, but investigation showed that such rumors were usually founded upon the occurrence of one or two specimens, generally about woodlands. A little later, in Knox county, I heard a similar report, being informed that a farmer of unquestionable reliability had seen grasshoppers frequently in his meadow, and had specimens in his possession. On visiting the gentleman I found that the statement was indeed true, but that the insects were half-grown specimens of the common green-striped locust, *Tragocephala viridifasciata.* In the meadow where these had been taken, half grown individuals were, at the time of my visit, not uncommon, hopping about on the grass, although the ground, in many parts of the field, was covered with snow.

Specimens of the same locust were received April 9 from Mr. R. C. Davis of Peoria county, who wrote that they were very common in the woods about five miles north of French Grove.

The fact that this insect hibernates in the larval state has long been known to entomologists. Dr. Harris in writing of it nearly fifty years ago remarked:* "The larvæ or young survive the winter sheltered among the roots of grass and under leaves." And Dr. Riley has noted† that they are often the cause of unnecessary alarm concerning the visits of the Rocky Mountain locust, reports of the early hatching of this notorious species being based upon the presence of the young green-striped locusts during the mild weather of early spring.

This green-striped locust can be easily distinguished from either the red-legged or olive locust by the peculiar keel-shaped form of the thorax and by the broad green stripe on the anterior wings. "Like so many other species of its family it occurs in two well-marked varieties, one in which, in addition to the stripes on the front wings, the whole body and hind thighs above are pea green; the other in which this color gives way to pale brown. In both varieties the hind wings are smoky with the basal third greenish."‡

At the time of my last visit to the infested region (June 4 and 5) much apprehension prevailed concerning the seeming great probability of another locust attack. It was commonly believed that the pests were hatching by millions, but investigation soon showed that this also was a case of mistaken identity, the supposed

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*Insects Injurious to Vegetation, 3rd ed., p. 183.

†First Rep. U. S. Ent. Com., p. 255.

‡Riley: First Rep. U. S. Ent. Com., p. 256.

grasshoppers being only the various stages of certain leaf hoppers —by far the commonest species being the unfriendly leaf hopper *Jassus inimicus.*

As has so frequently been the case when our indigenous locusts have become destructively numerous, many people mistook them for the Rocky Mountain locust, and were unnecessarily alarmed concerning future attacks by this frightfully destructive pest. It seems useless to reiterate what has so frequently been said on this subject—that the Rocky Mountain locust has never, and in all human probability can never, become injurious in Illinois.

CONCLUSIONS.

The following general considerations bearing upon the subject of the destructive outbreaks of our indigenous locusts, and of the possibility of forecasting the future in any given locality where these insects are numerous, are mainly the result of the investigations recorded above. Of course no definite rules can be laid down by which predictions can be made. We can only indicate some of the factors to be taken into account in estimating the ratio of probability. In all cases the entomologist must carefully survey the field, and use his own judgment as to the importance due to each factor of the problem.

Besides the arthropodous animals mentioned below, various other agencies—such as the weather, epidemics of contagious diseases, etc.—must at times be taken into account.

1. Destructive outbreaks of our common locusts are liable to occur in restricted localities at varying intervals, whenever the climatic and other conditions favor their development.

2. There will generally be a gradual increase in the numbers of the locusts for a series of years, until the culmination is reached, after which there may be expected a great and sudden decrease.

3. The great majority of the eggs are deposited in grass lands, —especially in pastures and along roadsides,—and these situations should be examined for the eggs. Here, also, the young locusts will appear at a time when they are most easily destroyed by artificial means.

4. As a concomitant of this locust increase, there will usually be an increase of the Arthropoda which prey upon the locusts or their eggs; and it is generally owing to the fact that these enemies get the start of the locusts that the outbreak is checked.

5. Among the more important of these locust enemies which should be observed, and reckoned upon in prognosticating, are the following:

a. The red locust mite (*Trombidium locustarum*), which, when young, attaches itself to the locusts and sucks their juices; and later attacks their eggs.

b. The common species of blister beetles (*Meloidæ*), the larvæ of which prey upon locust eggs.

c. The larvæ and imagos of our common ground beetles (*Carabidæ*), which also destroy locust eggs.

d. A dipterous egg-parasite (possibly *Anthomyia angustifrons*, Meig.), which had destroyed many of the locust eggs in Knox county during the autumn of 1885.

Various other insect enemies may occasionally appear in significant numbers.*

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* For a discussion of enemies of the Rocky Mountain locust (the majority of which probably prey upon our indigenous species), see 1st Rep. U. S. Ent. Com., pp. 284-334.

ON SOME COMMON INSECTS INJURIOUSLY AFFECTING THE FOLIAGE OF YOUNG APPLE TREES IN THE NURSERY AND ORCHARD.

The Apple Tischeria.

(*Tischeria malifoliella*, Clemens.)

Order Lepidoptera. Family Tineidæ.

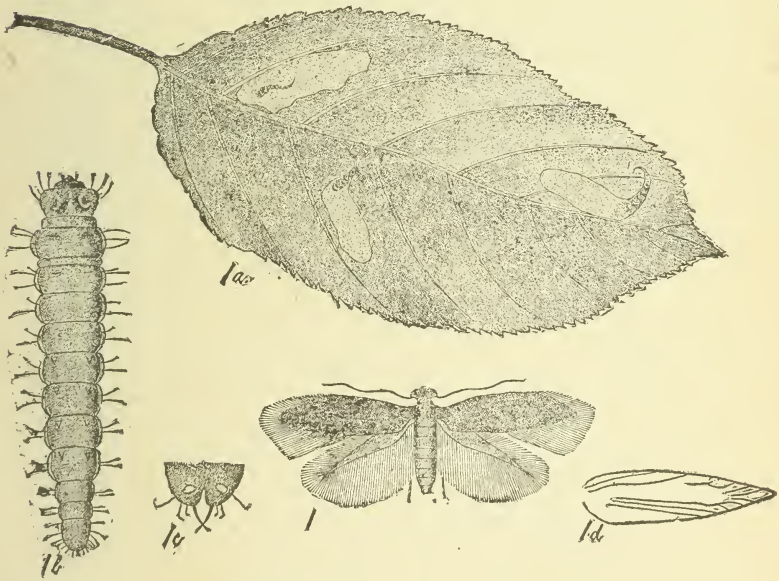

Fig. 1. *Tischeria malifoliella*, Clem. 1, adult moth; 1*a*, leaf showing mines; 1*b*, larva; 1*c*, ventral view of a portion of the anal segment of the larva, showing tentaculiform appendages; 1*d*, neuration of the fore wing.

[A small, green, footless larva, with a brown or black head, inhabiting a brown trumpet-shaped mine in the upper portion of the leaf.]

LITERATURE.

This abundant leaf miner was first described in 1860 by Dr. Brackenridge Clemens (Proc. Acad. Nat. Sci., Phila., Vol. XII., p. 208). He states that the larva mines the upper surface of the apple leaf, and that "the mine is flat, at least until the larva enters the pupa state, and begins as a slender white line, dilating as it increases, and is ultimately formed into an irregular brownish colored patch which is somewhat extended over the beginning. This is then shown on the separated epidermis as a white line or streak. The head of the larva is brown; the body uniform pale green; first segment brownish, with a short vascular greenish streak. When the pupation begins the leaf is thrown into a fold, which is carpeted with silk, and the pupa lies within it. This state begins about the latter part of September, and the imago appears early in May."

This description was again published by Mr. Stainton in his republication of Dr. Clemens's papers on "Tineina of North America."

The species is next mentioned by Mr. V. T. Chambers, of Covington, Kentucky, in Vol. III. of the "Canadian Entomologist" (p. 208), where it is noted as having been bred "from leaves of different species of Haw (Cratægus), Sweet-scented Crab (*Pyrus coronaria*), Blackberry (*Rubus villosus*), and Raspberry (*Rubus occidentalis*)." He adds that it probably mines other species of Rosaceæ. On page 50 of Vol. V. of the same journal Mr. C. again mentions this insect in connection with several others that "feed indifferently on the leaves of Cratægus, Prunus, and Malus;" and in the sixth volume (p. 150) he makes a similar mention of its food plants.

In the *Stettiner Entomologische Zeitung* (Vol. XXXIV., p. 222), Messrs. Frey and Boll publish a brief description of this insect from specimens found by them in Germany mining the leaves of apple-trees imported from America.

There was next recorded an additional food plant of the species —the dewberry (*Rubus canadensis*)—by Mr. Chambers, in the "Cincinnati Quarterly Journal of Science" (Vol. II., p. 111). He adds: "Prof. Frey and Mr. Boll mention having bred a species from the leaves of the blackberry (*Rubus villosus*), which they considered distinct from *malifoliella*, and described under the name of *T. œnea*. They also state that they have bred an allied species which they describe as *T. roseticola*. The species from the blackberry I have known for several years. I have not considered it distinct from *malifoliella*, Clem.; and I regard the specimens bred from all the species of Rubus, Cratægus, and Pyrus as belonging to the same species—*T. malifoliella*, Clem. *T. roseticola*, I have not seen; I incline to doubt its specific difference from *malifoliella*."

In an article on "Tineina and their Food-plants" (Bull. U. S. Geol. & Geogr. Survey, Vol. IV.) Mr. Chambers mentions this species in the list of those feeding upon Cratægus, *Pyrus coronaria*, and

P. malus, but omits it from the lists of those affecting Prunus and Rubus, giving under the three species of the latter, *Tischeria ænea*, from which we may conclude that he had changed his opinion about the identity of the forms found upon Pyrus and Rubus, and had decided to consider them as distinct species. *T. roseticola* is also given in this list as feeding on "various species of rose".

In his "Index to the Described Tineina of the United States and Canada," published in the same volume as the paper last mentioned, Mr. Chambers gives these three species under their separate names, and does not treat them as synonyms.

Finally, in 1883, Mr. A. E. Brunn published, in the Second Report of the Cornell University Experiment Station (pp. 155–157), an article on the "Tineidæ Infesting Apple-trees at Ithaca," in which he gives an excellent account of the life history and habits of this insect (under the common name of the Trumpet Mine of the Apple), together with illustrations of the mine, larva, and imago. Mr. Brunn states that this species is the "most abundant of the Tineidæ infesting the apple-trees at Ithaca, nevertheless it is not abundant enough to do them any material injury."

Of the mine and its inhabitant Mr. Brunn writes as follows:

"The mine, (see Pl. VI., Fig. 1*a*,) commencing in a glistening spot where the egg was laid, continues for a short distance as a narrow line, gradually growing wider, and then suddenly broadening out into an irregular expanded portion or 'body of the mine,' the whole having a trumpet-shaped appearance. The color of the mine on the upper surface is usually some shade of brown, although I have sometimes observed it to be dirty white. From the under surface of the leaf the mine would hardly be observed unless held up towards the light or examined closely, when the mined portion of the leaf would be seen to be of a lighter shade of green than the rest. The linear portion of the mine on the upper surface is crossed by crescent-shaped patches of white, which in many cases are continued for a short distance into the body of the mine. Often the miner after commencing the body of the mine will turn and eat around the linear portion, obliterating that part and causing the mine to appear like a blotch mine. In such cases the white crescent-shaped patches will be found somewhere in the body of the mine, indicating the position of the linear portion. These white markings are, however, wanting in some instances; but as the color of the linear portion of the mine is a little darker brown than the rest, we can still tell where the mine commenced. The position of the mine on the leaf is variable, it may be along the edge of the leaf causing it to curl over at that point, or along the midrib, or else between these points. As the leaf dries the mine assumes a tentiform shape.

* * * "If any foreign body is brought into contact with the long hairs covering the larva, it will be observed to support itself by some of its middle segments and rapidly vibrate the rest of the body,—this probably being the only way to frighten off parasites.

"The upper and lower surface of the mine of *T. malifoliella* is densely lined with silvery white silk. The excrement is deposited without the mine, through one or more openings which are situated at one end and on the lower surface of the mine. Within these clean and comfortable quarters the larva passes the winter. In the spring the larva transforms to a pupa, at one end of the mine, making no cocoon, and in a short time forces its way partly out through the upper surface of the mine, and there gives forth the moth. The tearing of either surface of the mine causes the larva to die, as it seems bound to get out if it can, and once out it can neither return nor build a new mine."

DESCRIPTION.

"*Larva* (Pl. VI., Fig. 1*b*).—Length, 5 mm. (.2 in.). Head small, pointed, retractile, and bilobed. Form flattened and tapering to the rear from the second or third thoracic segment. First thoracic segment twice as wide as head, but not as wide as the second thoracic segment. The last three abdominal segments are rounder and considerably narrower than any of the others. Between the first and second, and second and third thoracic segments are distinct folds. General color light green, with a brown, or even black, head. The large dark markings represented in the figure on the first thoracic segment are internal. No true legs, but four pairs of not very prominent prolegs, also anal legs. Three hairs on each side of the thoracic segment and two on each side of the remaining segments. Tentaculiform appendages and numerous hairs on anal segment. (Pl. VI., fig. 1*c*.) On each side of the dorsal surface of the third, fourth, fifth, and sixth abdominal segments there arise from the same point two short stiff hairs. A prominent ridge on each side of the lower, and two deep depressions on each of the thoracic segments."—Brunn (*l. c.*).

Pupa.—Mr. Brunn remarks that the pupa is unknown, the tineid having proved with him so difficult to rear, that he "hesitated about opening many mines," and is, "therefore, unable to describe the pupa." Out of a large number of mines examined, I have found a single pupa, which may be described as follows:

Length, 4.5 mm.; width, 1.2 mm. Antennal sheaths extending nearly to posterior end of third segment from last. General color light yellowish brown. A quadrangular space on dorsum of all the segments from the first thoracic to the third from the last abdominal, inclusive, has a darker brown ground color, the general appearance of which is rendered still darker by the short, stout, sharp-pointed tubercles with which the surface is studded; color of dorsum of head and thorax slightly darker than ventrum. Body sparsely furnished with moderately long, somewhat spinose hairs. On each side of front of head, which forms a blunt projection, arises a sharp, curved, horn-like process, projecting forward and outward, and which when viewed from the side is seen to be bidentate. Tip of last abdominal segment flattened, and furnished at edges with a row of short tubercles curving slightly forward.

This pupa is easily distinguished from that of *Ornix geminatella* by the horn-like projections of the head, the shorter antennal sheaths, and the row of tubercles on the last abdominal segment.

Imago.—"Head and antennæ shining dark brown, face ochreous. Fore wings uniform, shining dark brown with a purplish tinge, slightly dusted with pale ochreous; cilia of the general hue. Hind wings dark gray; cilia with a rufous tinge."—Clemens (*l. c.*).

The alar expanse is 7.5 mm. (.3 in.).

DISTRIBUTION.

I find that this species is very generally distributed throughout Illinois, being common in nearly all the nurseries and orchards examined during the past season. The specimens originally described by Dr. Clemens were presumably from Pennsylvania, and those bred by Mr. Chambers were probably found at Covington, Kentucky. Mr. Brunn reports it common at Ithaca, N. Y. Hence I believe that the following list includes all the American localities in which the species has as yet been recognized, though there is little doubt that it is found over a large portion of the states between and adjacent to the ones named:

ILLINOIS.—Bond, Champaign, Crawford, Edwards, Effingham, Jackson, Jefferson, Marion, McLean, Monroe, Randolph, St. Clair, and Washington counties. (Weed).

KENTUCKY.—Kenton, Co. (Chambers).

MICHIGAN.—Ingham Co. (Weed).

NEW YORK.—Tompkins Co. (Brunn).

PENNSYLVANIA.—Northampton Co. (Clemens).

LIFE HISTORY.

It will be noticed that a discrepancy as to the stage in which this insect hibernates occurs between the statements of Mr. Brunn and Dr. Clemens, the former saying that it passes the winter as a larva, and the latter, as a pupa. I have examined a large number of the mines late in autumn as well as throughout the winter and early spring, and never have found the pupæ earlier than April 9, up to this date the larvæ being invariably present.

Briefly recapitulated, the life history of the species is this: The small brownish moth deposits an egg on the surface of the leaf, from which there soon hatches a minute greenish larva which begins mining the leaf, making at first only a narrow mine, but gradually widening it as it grows older. When full grown it is about two tenths of an inch long, flat, with a green body and brown or black head. It pupates within the mine, and in due season emerges as a moth.

The apple Tischeria is very easily recognized by the peculiar mine of the larva, so that its presence can be detected at any sea-

son of the year. As will have been suggested from the statement of the way in which this insect hibernates, it may be very easily disseminated by means of young apple-trees from nurseries, either in the leaves that remain attached to the tree, or those which occasionally get into the packing boxes.

PARASITES.

Mr. Brunn (*l. c.*) bred two species of Chalcididæ, *Sympiezus lithocolletidis*, Howard MSS. and *Astichus tischeriæ*, Howard MSS., from the apple Tischeria. We have bred the former of these at Champaign, the species having been kindly determined by Mr. Howard, who writes that the descriptions of these species have never been published. Mr. Howard has also described* another chalcid, *Elasmus pullatus*, which was supposed to have been bred from the apple Tischeria.

REMEDIES.

I doubt whether the injuries of this insect in the orchard are ever sufficiently serious to repay the labor required for the application of the only remedy for the pest now known,—that of gathering and burning the fallen leaves; although I believe that this operation would pay in the nursery, where the leaves can be easily gathered, and several other injurious species would be destroyed at the same time.

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* U. S. Dep. Agr., Div. Ent Bull., No. 5, p. 30.

The Apple Ornix.

(*Ornix geminatella*, Packard.)

Order Lepidoptera. Family Tineidæ.

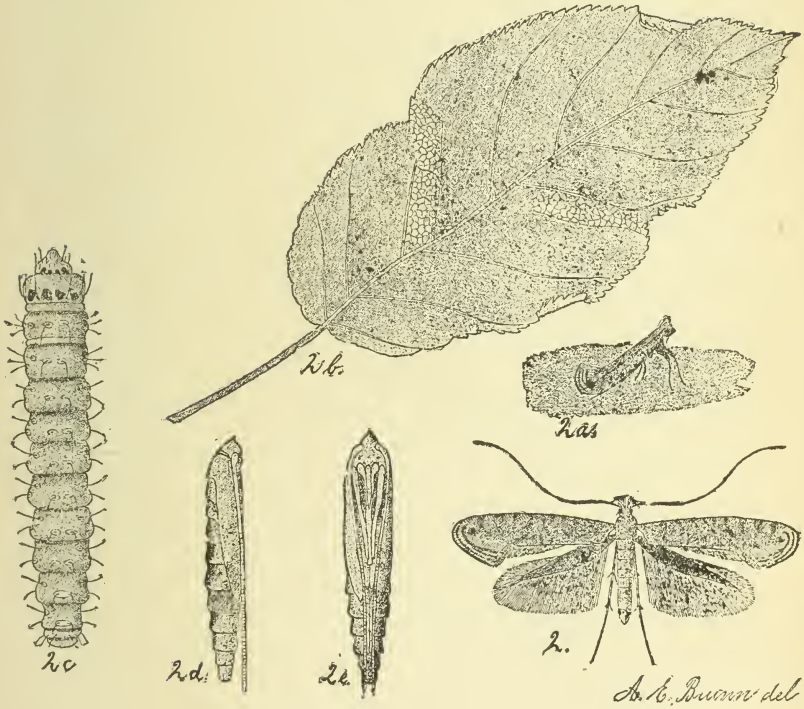

Fig. 2. *Ornix geminatella*, Pack. 2, adult moth; 2*a*, position of moth when at rest; 2*b*, apple leaf showing mines and cocoons; 2*c*, larva; 2*d*, lateral view of pupa; 2*e*, ventral view of pupa.

[A small, slightly hairy, worm inhabiting a tent-shaped mine on the under side of the apple leaf. When full grown, leaves the mine, making a silken cocoon in the upturned edge of the leaf.]

LITERATURE.

This insect was first briefly described as *Lithocolletis geminatella* by Dr. A. S. Packard ("Guide to the Study of Insects," pp. 353, 354; pl. 8, figs. 15—15c). The larva is said to have been abundant on the leaves of apple and pear in the vicinity of Salem during the summer of 1869. Dr. Packard writes: "The moth is of a dark slate-gray, without any prominent markings, with ochreous hairs on the top of the head. There is a black round spot on the middle of the inner edge of the wing. On the outer edge is an eye-like spot, pupilled with black like the 'eye' in a peacock's tail. The antennæ are dark, ringed with a pale slate color. It expands .30 of an inch. The larva is a pale livid reddish with a black head and cervical shield, and .14 of an inch in length. It was first discovered about the middle of August, hanging from a branch suspended by a thread. From this time it became abundant, until the leaves began to fall in the first week of October; nearly every leaf on some of the pear- and apple-trees having a mine. * * * Usually the larva draws two leaves together or folds one up, and as it eats its way along the surface of the leaf, leaves its excrement filling up the space behind, thus making blotches and otherwise disfiguring the leaves. In this mine it transforms into a long slender pupa, which may be found surrounded with the castings of the larva. The moths first appeared August 19, and flew in-doors at night attracted by the light."

This account does not exactly agree with the usual habits of the species, as observed by later writers, though in exceptional instances the larvæ may behave as here recorded. In the great majority of cases, as noted elsewhere in this paper, the larvæ do not pupate in their old mines, but make new ones by turning down the edges of the leaves.

The species is next mentioned by Mr. V. T. Chambers, in the "Canadian Entomologist" for November, 1871 (Vol. III., p. 183), where, in writing of the described species of the genus Lithocolletis, he says: "*L. geminatella*, Packard, is said to be dark slate-gray, without prominent markings, but with a round black spot on the middle of the dorsal margin, (like a Bucculatrix?) and an apical ocellus. The larva is pale livid reddish, (unlike any known Lithocolletis larva, but not unlike some Gracillariæ). It feeds on leaves of apple and pear trees, *between two leaves, or in a fold of a leaf.* (This is very unlike a Lithocolletis.")

In the "Canadian Entomologist" for March 1873 (Vol. V., p. 50), the insect is re-described as new by Mr. Chambers, (under the name of *Ornix prunivorella*), who gives Kentucky as its habitat. Of its life history he writes: "The larva mines the leaves of apple-trees (Malus), and wild cherry-trees (*Prunus serotina*), making a large tentiform mine on the under surface, which can only be distinguished from that of *Lithocolletis cratægella*, Clem., in the same leaves, by its larger size. It is at first a short, crooked mine, which ends in the large tentiform mine. It leaves the mine to

pupate under the edge of the leaf turned down. * * * I have never found it feeding on haw leaves. * * * It may be found in all stages through the summer and fall."

In the "Cincinnati Quarterly Journal of Science" (Vol. II., p. 301), Mr. Chambers, writing of the Tineidæ found in the far West, mentions having collected the mines of *Ornix prunivorella* in the leaves of wild cherry on the mountains, "both on Clear Creek, at Spanish Bar, and on Fontaine qui Bouille, near Manitou; altitude, 8,000 feet."

In the Bulletin of the U. S. Geological Survey, (Vol. III., p. 133), the same writer, in an article on the "Tineina of Colorado," remarks that this species is "found mining the leaves of the wild cherry in the mountains up at least to 8,000 feet altitude." Later in the same article, (p. 141), in enumerating the localities from which the species treated have been previously reported, he includes *O. prunivorella* in a list of seven species which have only been found in Colorado and in latitude 35° to 40° in the Mississippi Valley.

In an article on the "Food-plants of Tineina," published in the same connection, Mr. Chambers mentions (p. 111) this species as feeding upon wild cherry (*Cerasus serotina*), but, strangely enough, omits it from the list of those feeding upon apple, although, in connection with the original description, he remarks that "the larva mines the leaves of apple-trees." In this list *Lithocolletis geminatella* is not mentioned.

In 1882, Lord Walsingham, the eminent English authority on microlepidoptera, published in the Transactions of the American Entomological Society (Vol. X., p. 194), some "Notes on Tineidæ of North America." This paper was the result of a study of several American collections of these moths that had been sent him, many of the specimens being types of American species. On page 194, in speaking of certain of these specimens, he says:

"I think these may be *Ornix prunivorella*, Cham., although that author does not record that the larva of that species feeds on apple or pear. These specimens are not in good condition, and it is impossible, in so difficult a genus as Ornix, to be quite certain to what species they belong.

"They are the types of *Lithocolletis geminatella*, Packard, according to the label attached to the second specimen, but they undoubtedly belong to the genus Ornix."

From the statement just quoted, to the effect that Chambers does not record that the larva of *O. prunivorella* feeds on apple, it is evident that Lord Walsingham had been misled by the omission in the list of food plants noted above.

And finally the life history of the species is elaborately discussed, under the name *Ornix prunivorella*, by Mr. A. E. Brunn in the Second Report of the Cornell University Experiment Station (pp. 151–154; Pl. V.). This author applies to the

species the popular name of "The Unspotted Tentiform Mine of the Apple," and states that it is common about Ithaca, but not sufficiently abundant to be seriously injurious. He remarks that when the larvæ are nearly mature, they leave the old mines and make new ones. The latter operation is described as follows:

"Quite a dense but still very transparent covering is spun on the under side of the leaf. * * * While weaving these threads from side to side over the space to include the so-called mine, the larva rests on the threads already spun. In this way the larva may by its weight aid in causing the mine to assume its tentiform shape. When this covering is completed, the larva crawls in between it and the leaf, and completes the mine from the inside, by spinning more threads from side to side, and drawing the edges of the mine very close together. The under surface of the mine thus becomes more opaque from more silk being spun there and also as the silk itself, which is at first white, becomes brown."

Concerning the later history of the larva, Mr. Brunn continues:

"Soon the larva commences to feed, beginning at one end of the mine, and eating everything clean as it goes, excepting the small veins and upper epidermis. When through eating, or when all the parenchyma in the mine is eaten, the larva leaves the mine by an opening which it makes in the under surface, and either pupates in another portion of the same or a different leaf; or, if not through feeding, it makes a new tentiform mine on the disk of the leaf, or turns over the edge of the leaf, and feeds on the infolded portion. * * * The larvæ deposit the small, rounded pellets of frass in an irregular heap at one end of the mine.

"When about to pupate the larva leaves the mine through a small circular hole which it makes at one end and on the under surface of the mine, goes to some portion of the edge of the leaf, either on the upper or lower surface (very seldom on the lower), folds the edge over itself, bringing it close down to the surface of the leaf by silk, and then spins around itself, in this roll, a delicate silken cocoon. Within this cocoon it casts its larval skin and tranforms to a pupa, remaining in that condition throughout the winter. It takes less than twenty-four hours for the larva to make the roll within which it pupates. In exceptional cases the larva will spin its cocoon in the fold of the leaf caused by its mine, and at some distance from the edge of the leaf. Often the larva goes to the very tip of the leaf, and brings the two edges together, making its cocoon within this fold. The pupæ I have collected as early as October 3 and the larvæ as late as October 26. A young white larva which I collected November 6, turned gray upon placing it in alcohol. In the spring the pupæ transform to dark steel-gray moths, which, when at rest, assume the position shown in Pl. I., Fig. 2a."

NOMENCLATURE.

Lord Walsingham, in the paragraph cited above, states that Packard's species *geminatella* undoubtedly belongs to the genus Ornix, and that the type specimens then before him were probably the same as *O. prunivorella*,—a probability which would have doubtless been greatly strengthened in his mind had he not been under the erroneous impression that the latter species had never been bred from apple. Dr. Packard's figures agree very well with Chambers's description and with the excellent descriptions and figures of Mr. Brunn, as well as with specimens collected and bred by the writer.

In order to be as certain as possible of the identity of the two species I sent specimens of larvæ which, without doubt, belonged to the species described by Chambers as *prunivorella* to Dr. Packard with the request that he examine them to see if they were similar to the ones from which he bred *L. geminatella*. In response he writes as follows, under date of December 15, 1886: "I have examined the *Ornix prunivorella*—two larvæ—white, exactly of the size and shape of my *geminatella*, which I have not seen for nearly twenty years. Mine was a uniformly brown caterpillar, but the spots on prothoracic segment were not as distinct as appears in your specimen, yet in my figure I see they are represented I suppose the alcohol brings out the tubercles more distinctly than in life. It may be safe to regard the two species as the same, since Chambers bred it from the apple. On turning to Emerton's original drawing I see the spots on the thorax are represented just as in your specimen. My description on the sketch says: 'Color pale livid reddish, suspended by a thread to the tree.' On the whole, then, I conclude that the larvæ you send are those I described as *L. geminatella*."

The difference in the colors of these different larvæ may easily be accounted for on the supposition that Dr. Packard's specimen was not full grown, for, as has been remarked by Mr. Brunn, these larvæ are flesh-colored when young.

In the light of these various observations, the writer believes that he is justified in treating these supposed species as the same; and, as Dr. Packard's name has priority, in calling the insect *Ornix geminatella*, Packard.

DESCRIPTION.

Mr. Brunn has so carefully described the two earlier stages of this insect that I cannot do better than to quote his description in full.

"LARVA.—When full grown 6. 8 mm. (.27 in.) in length. Color grayish; when young flesh colored. Head light brown and about one half as broad as the first thoracic segment, which is light yellow. Form cylindrical with the last three or four segments of

the abdomen tapering slightly. With the exception of the head and first thoracic segment there are on the dorsal surface four longitudinal rows of white elevations, each segment having at or near its middle one of these elevations in each row. There are also two rows of similar elevations on each side of the larva. Towards the caudal end of the larva the two middle dorsal rows run together. Other rows of tubercles disappear in the last abdominal segments, leaving fewer white elevations on these segments than on the others. From each of these elevations arises a hair of considerable length. On or near some of the tubercles of the middle dorsal rows arises a second but quite short hair. Also numerous small hairs on the head, first thoracie segment, and anal segment. Upon the dorsal surface of the head are four very black conspicuous spots and on each lateral surface an indistinct one. Also on the dorsal surface of the first thoracic segment are four similar but larger black spots. Thoracic, abdominal, and anal legs well developed. The thoracic legs have the outer surface almost entirely black and smooth, while the inner surface is gray and furnished with hairs. Abdominal and anal legs of same color as the larva.

"*Pupa.*—Length from head to the end of the antennal sheaths 5 mm. Breadth at widest part 1 mm. Antennal sheaths extending beyond the anal segment. Head furnished with quite a prominent pointed beak. Two rows of hairs on the dorsal surface and two on each side, the lower row on the sides being made up of two hairs placed close together on each segment. No hairs on the head. Color: brownish yellow, with the exception of the beak, which is black, and the dorsal surface, which is brown or dark brown. The color of the dorsal surface is due to a roughened rectangular brown patch on all of the abdominal segments but the last, each patch taking up the greater part of the dorsal surface of the segment upon which it is placed, and extending nearly to the sides and almost to the following segment. These dark patches can be readily seen even in the cast off pupa skin."—Brunn, Second Rep. Cornell Univ. Exp. Station, p. 153.

Imago.—Dark steel-gray, almost brown. Labial palpi white, each joint tipped externally with dark steel-gray. Antennæ of the general hue, faintly annulate with whitish. Thorax and primaries dark steel-gray, the primaries with about nine faint whitish costal streaks, the first near the base, and the last at the apex, becoming gradually longer from the base to the apex, all faintly dark margined internally, the last three or four nearly perpendicular to the costal margin, crossing the *wing and uniting near the dorsal margin*, where they are very narrow and indistinct. A small black apical spot, behind which are three dark hinder marginal lines in the ciliæ, the first of which is at their base, and becomes furcate in the dorsal ciliæ; the second is at the middle; and the third at the apex of the ciliæ. The one at the base of the ciliæ becomes furcate at the dorsal ciliæ. Al. ex. $\frac{1}{3}$ in. Chambers, Can. Ent. vol. V., p. 50.

DISTRIBUTION.

Accepting the synonymy given above, the localities in which this species has been recognized may be summarized as follows:

COLORADO. (Chambers.)

ILLINOIS. Bond, Champaign, Crawford, Edwards, Effingham, Jackson, Jefferson, Madison, Marion, McLean, Montgomery, Monroe, Randolph, St. Clair, Wabash, and Washington counties. (Weed.)

KENTUCKY. Kenton Co. (Chambers.)

MASSACHUSETTS. Essex Co. (Packard.)

MICHIGAN. Ingham Co. (Weed.)

NEW YORK. Tompkins Co. (Brunn.)

This insect, like most leaf miners, may very readily be disseminated by the leaves that occasionally remain attached to young fruit trees during winter.

LIFE HISTORY.

The life history of this insect may be briefly characterized as follows: The grayish brown moth lays its eggs on the leaf, and the young larvæ as soon as hatched begin eating the parenchyma of the upper side of the leaf. When full grown they leave their old mines and make new ones by turning over the edges of the leaves. Here they pupate, and in a short time emerge as moths. They usually pass the winter in the pupa state, though, from the fact that I have found untransformed larvæ as late as November 24, I suspect that they may occasionally hibernate as larvæ.

PARASITES.

Mr. Brunn bred two species of parasites from the apple Ornix—*Sympiezus lithocolletidis*, Howard, MSS., and *Eulophus minutus*, Howard, MSS. We have bred from it a single undetermined chalcid, and a great number of a new species of Apanteles which I have described under the name of *Apanteles, ornigis*.* These parasites spin peculiar, banded, white cocoons which are swung like hammocks within the leafy cocoons of the host.

REMEDIES.

The remarks concerning remedies for the apple Tischeria apply with equal force to the present species.

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*"Notes on Some Illinois Microgasters, with Descriptions of New Species." Bull. Ill. St. Lab. Nat. Hist., Vol. III., Art. I.

The Apple Leaf Skeletonizer.

(*Pempelia hammondi*, Riley.)

Order Lepidoptera. Family Pyralidæ.

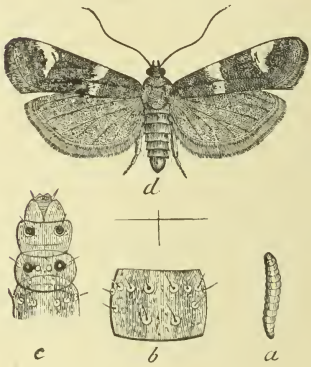

Fig. 3. *Pempelia hammondi*, Riley. *a*, larva, natural size; *b*, one of middle segments of larva, magnified; *c*, head and first three segments, dorsal view; *d*, adult moth.

[A brownish or greenish larva one half inch long, with scattered hairs, which spins a web on the upper surface of the leaf and eats the parenchyma, giving the foliage a scorched appearance.]

This insect is one of the most destructive species with which the nurseryman has to contend, nearly rivaling in the extent and seriousness of its injuries that species which I think must head the list of leaf-eating nursery pests—the lesser apple leaf roller (*Teras minuta*). It seems very generally distributed throughout Illinois, having been observed during the past season doing serious injury to apple-trees, both in the orchard and nursery, in McLean, Champaign, and Marion counties. It was first reported from this State a quarter of a century ago, and does not as yet seem to have become destructively numerous either in the Eastern or far Western States.

LITERATURE.

The first mention of this insect which I am able to find occurs on page 32 of Volume II. of the "American Entomologist," in a brief note concerning "Apple-tree Worms," being a reply to a query of Mr. H. K. Vickroy, of Champaign, Illinois, who had found the larva "doing considerable damage to the apple-tree" at that place. The editors there say: "These larvæ were first communicated to us by A. C. Hammond, of Warsaw, Illinois, early in September, 1868; and subsequently, at the Illinois State Fair, specimens were shown to us by W. T. Nelson, of Wilmington, Illinois. At the latter end of May, 1869, we bred the moth from them, and a full account of the species, illustrated by figures, will appear in the Second Annual Report of the senior editor. The mode in which this larva operates on the apple-tree is by tying together the leaves with silken cords, forming a mass of considerable size inside which it lives gregariously, skeletonizing the leaves that it has thus appropriated, and filling them with its gunpowder-like excrement. It was so abundant in 1868, near Warsaw and Quincy, as nearly to strip many trees, especially in young orchards that were in an unthrifty condition * * * * . To distinguish our species from the Rascal Leaf-crumpler, we may call it, in English, 'Hammond's Leaf-tyer' (*Acrobasis hammondi*, n. sp)."

But on account of the untimely death of the senior editor, Mr. Walsh, November 12, 1869, the Second Report alluded to in the above paragraph was never published, and the next mention of the species occurs in Dr. Riley's Fourth Report as State Entomologist of Missouri (p. 44), where its life history and habits are treated of, the descriptions being accompanied with illustrations of the moth and larva. Concerning its habits and the effect of its injuries, Dr. Riley writes as follows:

"In the fall of the year the foliage of trees in young orchards, and especially in the nursery, often wears a blighted, corroded, rusty look, and upon carefully examining it such appearance will be found to result from the gnawings of this little Skeletonizer. A badly infested orchard or nursery presents such a decidedly seared aspect that it attracts attention at a great distance; and while traveling by rail I have often pointed out the work of this insect and felt as sure of its presence in certain orchards, as though I had closely examined the trees.

"The rusty appearance is produced by the worm's feeding solely on the green pulpy parts of the upper surface of the leaf, and thus leaving untouched the more fibrous frame-work. In some cases the pulpy portions are eaten off very thoroughly, so that nothing remains but the semi-transparent epidermis below, and the net-work of veins; but more usually a certain amount of the parenchyma is left, and this it is which acquires a bright rust-red appearance. The worm always covers the leaf with loose tender silken threads, with which it mixes numerous little black,

gunpowder-like excrementitious grains; and it is under this covering that it feeds. It is semi-gregarious, either living alone on the leaf, or in company within a bunch of leaves tied together. * * * * So far as we now know there is but one annual brood of the Apple-leaf Skeletonizer; but the moths issue very irregularly, and the worms may be found all through the summer, but particularly in the fall, as long as the leaves remain on the tree. I have found but partially grown worms as late as November—unfortunates that seemed doomed to a wintry death. The moths commence to make their appearance in the vicinity of St. Louis by the first of May, but I have had them issue as late as the last of July."

In a letter from Mr. A. C. Hammond, published in the same connection, there is described a peculiar effect of the attack of these skeletonizers which is not mentioned in any of the later articles concerning the species, and which I have never seen in the field—that of causing the fruit to fall when about one fourth grown. In the orchard in question the larvæ were at work in great numbers in June, 1869, and it was "found that the worms generally inclosed two or three apples within the mass of leaves, and that they were feeding upon these as well as upon the leaves, of course causing them to drop." Mr. Hammond adds: "Their ravages were principally confined to a few varieties. The yellow Bellflower, Winesap, and Ben Davis appeared to be their favorites. They had caused fully one half of the fruit to fall from several hundred trees in my orchard."

Mr. Riley also records having bred from the larvæ of this species "two small Ichneumon flies, one of which is a Microgaster" which, he says, were accidentally destroyed before being described; and mention is made of the fact that "the larva of some lace-wing fly (Chrysopa) also preys upon it."

In a treatise on the Economic Entomology of Illinois, published in the Seventh Report of the State Entomologist (1877), Prof. G. H. French quotes (p. 252) portions of the two articles above referred to, but gives no original observations and adds nothing to the existing knowledge concerning the subject; although the recommendation is here first made that the arsenites be used as a remedy.

In an article concerning "Orchards and Insects" published in the Transactions of the Iowa State Horticultural Society for 1882, Hon. J. N. Dixon, of Oskaloosa, Iowa, discusses the skeletonizer and several related species, including the lesser apple leaf roller (*Teras minuta*), stating that both these species are single-brooded in his latitude. But as—while dissenting in part from the results of previous writers and claiming to have originally and independently worked out the life histories of these species—he falls into the only error they have made,—that of considering *Teras cinderella*, Riley, *and Teras malivorana*, LeB. (recently proven, as stated elsewhere in this paper to be dimorphic forms of one species—the *Teras minuta* of Robinson) as distinct species; and as he states

that both these species always pupate "under the surface of the ground and never in the leaves," while generally at least the reverse of this is the case, his assertion may reasonably be doubted. Mr. Dixon recommends for the whole list of leaf-eating orchard insects what he calls the "tramping remedy," which consists simply in pasturing various kinds of stock in the orchard. He also advocates spraying the foliage with white arsenic in water solution.

In 1883 Mr. Wm. Saunders published a short article concerning this insect in his excellent treatise on "Insects Injurious to Fruits," but records no original observations, and adds nothing to our knowledge of its life history.

No further records of observations upon this insect were published, so far as I am aware, until 1884, when Prof. S. A. Forbes noted the damage done by it in nurseries in McLean county, Ill., mentioning the suggestive fact that varieties having thick or woolly leaves are least liable to injury (Trans. Ill. St. Hort. Soc., 1884, p. 124; 14th Rep. St. Ent. Ill. pp. 97, 98).

In Bulletin No. 11 of the Division of Entomology of the U. S. Department of Agriculture (p. 20), submitted in January, 1886, Mr. F. M. Webster reports the results of some experiments on this insect made with soluble pinoleum and Hammond's slug shot. A solution of fifteen parts of the former substance with eighty-five parts water was sprayed over the leaves September 15, the result being that "probably seventy-five per cent. of the larvæ were destroyed; but full grown larvæ were observed on the leaves October 1." Leaves seriously affected by larvæ were dusted with slug shot September 15, when no dew was on them, the result being that the next day fifty per cent. of the larvæ were dead. Other applications followed with similar beneficial results.

DESCRIPTION.

The following are the descriptions of the three stages of the insect, as given by Riley (4th Mo. Ent. Rep., p. 46):

"*Larva.*—Length, 0.45–0.50 inch. General color olive, or pale green, or brown, with a broad dark stripe along each side of back. Tapers slightly both ways, joints 4–12, inclusive, divided into two transverse folds. Freckled with numerous pale specks and with piliferous spots, the specks often taking the form of two pale broken lines along the upper edge of dark stripe. The piliferous spots are pale with a central black dot, and are best seen in the dark specimens. On joints 4–12, inclusive, they are placed four in a square on the middle of the back, and four more each side, the two upper lateral ones being on the anterior fold, the stigmata appearing as minute rufous specks between them. Both these spots are often double. The third lateral spot is on the posterior folds, and the fourth is subventral and anterior. The hairs proceeding from these spots are long and setaceous. Head horizontal,

freckled, pale behind, tinged with green in front and with a few long hairs. Joint 1 also freckled and with a large black piliferous tubercle with a pale basal annulation and in range with middle of dark stripe. Joint 2 with similar black tubercles with a white center and replacing the uppermost lateral pale spot. There are but two of the small pale dorsal piliferous spots on this joint, (between the tubercles), as well as on joint 3. Beneath immaculate, except that the thoracic legs have sometimes a few dusky dots.

"In the very dark specimens the head, cervical shield, and anal plate remain pale. The cervical shield is then well defined with four small piliferous specks at anterior edge, and the large shiny tubercle forms the extreme anterior angle.

"In many specimens the subdorsal dark stripe is obsolete or subobsolete, but even then the four black tubercles on joints 1 and 2 characterize the larva sufficiently.

"Described from numerous specimens.

"*Pupa.*—0.24 inch long; rather stout and short, with two minute diverging spines and a few stiff bristles at tip.

"*Imago.*—Average expanse 0.48 inch. Front wings glossy purplish brown with two silvery gray transverse bands dividing the wing on costa in about three equal parts, the basal band sharply defined outwardly and always extending to inner margin, the posterior band never extending more than half way across the wing, and generally not more than one third, ill defined. In some specimens the basal transverse band is quite narrow, with the basal space a shade paler than the median: in others the band forms a double line. In some specimens, also, a narrow pale transverse line outside the second band, and a pale terminal shade, are visible. Hind wings uniformly paler gray. Under surface glossy gray, with no marks, the front wings a shade darker than the hind. The male differs from the female in the basal portion of the antennæ being curved, and the curve filled with a tuft of scales.

"Described from numerous bred specimens."

DISTRIBUTION.

It is probable that when left to its own resources this insect would spread very slowly; but there is great danger of its being carried from place to place through the agency of man. Especially is it liable to be introduced with trees from the nursery, unless they are thoroughly stripped before being sent out, and no dead leaves allowed to cling about the roots or get into the packing boxes. A case in point is that of a fruit grower in Sangamon county, Illinois, who purchased trees from nurseries infested by the species and was afterwards greatly troubled by their presence. So far as can be learned the insect had not before been observed in the locality in question.

I am informed by Prof. C. H. Fernald, the well known authority on microlepidoptera, that this species does not occur in Maine, and that he does not remember having seen it in any collection made in the East. It is quite generally distributed throughout Illinois, however, and is reported from some of the adjacent states.

LIFE HISTORY

Most of the facts concerning the life history of the apple leaf skeletonizer are given in the above extracts; but the note slips of the State Entomologist's office prove one new point of importance which should here be given; viz., that this species, contrary to the opinion heretofore prevailing, is double-brooded, at least in the latitude of Central Illinois, and probably farther north.

A lot of larvæ obtained at Normal July 7, 1886, were transferred to breeding cages at Champaign and fed upon apple leaves. On the 12th July many had changed to pupæ and on the 25th of the same month the moths began to emerge. The breeding notes of the office for the years 1883 and 1884 show that moths of the second brood were similarly bred during each of those seasons from larvæ obtained in early summer; and on August 6, 1884, the adult moths were collected at Normal on the leaves of apple-trees in the nursery.

Briefly recapitulated, then, the life history of the species is as follows: The small purplish gray moths, expanding scarcely half an inch, lay their eggs, probably, on the leaves or tender twigs of the apple late in spring or early in summer, the larvæ soon hatching and beginning to eat the parenchyma of the leaves, and, as they grow older, spinning a slight protective silken web on the upper surface of the leaf, beneath which they continue their destructive work. When full grown they vary from an olive or pale green color to brown; are about half an inch long; and have four black shining tubercles on the back just behind the head. About midsummer these larvæ pupate in slight cocoons formed usually on the leaf, and about two week later the moths emerge. Eggs are laid by these for the second brood of larvæ, which form cocoons before winter sets in and hibernate as pupæ, the moths from them emerging the following spring. But this species is very irregular in its development, it being easy to find larvæ of nearly all ages almost any time during the season. The second brood is usually much more numerous than the first, and consequently the injury is most noticeable in September and October. I think it not impossible that in certain instances even three broods may be developed.

It is probable that the larvæ of this insect sometimes occur upon other trees than the apple, as specimens were received September 22, 1884, from Sangamon county, Illinois, with the statement that they were injuring the leaves of plums and quinces.

PARASITES.

Dr. Riley mentions having bred a Microgaster from the apple leaf skeletonizer. We have also frequently obtained specimens of an undescribed species belonging to the genus Bracon from the larvæ of this insect.

REMEDIES.

Concerning remedies, Prof. Riley (*l. c.*) says: "A little hand picking at the proper time would do much to prevent its injuries, and I incline to believe that it may be extirpated by dusting the trees with air-slaked lime." Prof. French has added the recommendation that the arsenites be used, and Prof. Forbes has advised, in addition to this, that the fallen leaves in the nursery be burned to destroy the pupæ.

Early in July, 1886, I made some experiments with Paris green on skeletonizer larvæ infesting nursery trees. The results showed that spraying with Paris green in the proportion of one ounce to eight gallons of water, effectually destroys the larvæ without injury to the tree; and from some partial experiments made at the same time, which were interrupted by a heavy rain storm, I incline to believe that half this strength of solution would be sufficiently effective.

The operation of spraying nursery stock with the arsenites or other insecticides is much simpler than is generally supposed. For stock of one year's growth all that is necessary is to go through the field, lengthwise of the rows, with a wagon containing a barrel of the solution, having a hand-force pump and spray nozzle attached, straddling about every tenth row, and spraying the five rows on each side. In this way a field can be gone over easily and rapidly and sprayed for the leaf roller, skeletonizer, and crumpler at comparatively little expense. I presume that for trees two or three years old it would be difficult to straddle the rows with an ordinary wagon without injuring them; but this difficulty may be easily avoided by omitting every eleventh row so that the wagon can pass through at any time.

Special pumps on wheels, with spraying apparatus attached, are now manufactured for the purpose of spraying various crops with insecticides, and these would serve the present purpose admirably.

The Leaf Crumpler.

(*Phycis indiginella*, Zeller.)

Order Lepidoptera. Family Pyralidæ.

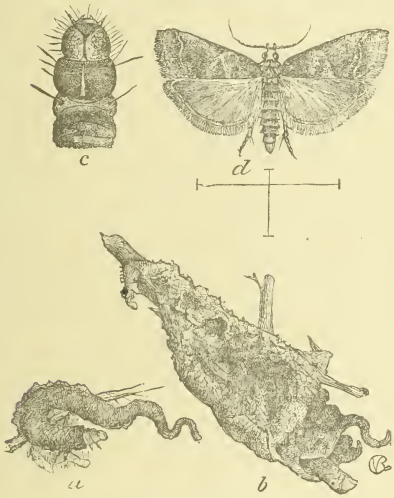

Fig. 4. *Phycis indiginella*, Zell. *a*, larva in its twisted case; *b*, crumpled mass of leaves containing a number of larvæ; *c*, anterior part of larva; *d*, adult moth.

[A brownish larva about three fifths of an inch long, living within a horn-like case surrounded by dead leaves. Hibernates as a larva within this case, which is attached to the twig. Eats young foliage in early spring.]

This is one of the commonest leaf-eating orchard insects. It is very generally distributed throughout Illinois and adjacent states, and often does serious damage to young fruit trees both in the orchard and nursery.

LITERATURE.

Zeller, in 1848, published the original description of this species under the name *Myelois indiginella*, in "Isis," a rare old German periodical issued at Jena, by Oken, between the years 1805 and 1848. The habitat of the insect is there given as "N. America."

The first recognizable notice of the species in American literature which I am able to find, occurs in the issue of the "Prairie Farmer" for August, 1851, where, in an editorial article entitled "A String of Bugs" (in which are discussed the principal insect pests of that time), the following paragraph appears:

"The Leaf Roller.—One of the insects of this tribe is now very common in all this region and needs more attention than he has yet received. In the spring the insect is easily discernible by the little tuft of dry leaves which he has rolled up and cemented together for his winter quarters. In each tuft will be found a very small worm, and sometimes a half dozen of them, and the tree will be covered with their habitations. Later, and when the leaves appear—some of which are always near the house of the worm—one is laid hold of, drawn to the cell, and gradually devoured. The worm at this time, July 1st, is perhaps three fourths of an inch long; encased in a sort of tube made of leaves, web, and cement. Out of this he will stretch himself far enough to get hold of his food, and remain during the remainder of the time at leisure at home. In the spring, before the new leaves appear, the insects are easily found; and that is the proper time to attend to their case by picking off their nests and burning them. They fasten themselves on almost all fruit trees indiscriminately, but seem to prefer the apple, quince, and plum."

The next authoritative notice of the injuries of this insect appears in the "Prairie Farmer" for September, 1853 (p. 330), in an article by Dr. Wm. LeBaron of Geneva, Ill., entitled "Observations upon two Species of Insects Injurious to Fruit Trees." After treating at some length the life history and habits of the apple leaf hopper (*Empoa albopicta*, Forbes), the writer continues:

"The other injurious insect above mentioned is a leaf-rolling caterpillar, which I have seen briefly referred to in several numbers of the "Prairie Farmer", and which, therefore, I suppose to be somewhat extensively distributed throughout the West.

"This insect passes the winter in a half-grown larval state, and is rendered very conspicuous at this season, by the little clusters of dried leaves attached to the twigs of the apple- and plum-trees in which the larvæ lie concealed,—sometimes singly, but often two or three in company. Besides the covering of dead leaves each larva is enclosed in an elongated, conical, and somewhat twisted case, rough externally, but of fine texture and polished surface within.

"As soon as the foliage expands in the spring, the caterpillar begins to devour the leaves in its immediate vicinity, drawing them in around itself and confining them there by threads of web. It is thus enabled to feed at ease by protruding its body partially from the larger and open extremity of its case.

"The larva arrives at maturity about the end of June. It is then about two thirds of an inch long, sixteen-footed, pale dull green, with a brown head. It now slightly closes the mouth of its

case, and changes into the chrysalis state. Before the middle of July the perfect insects begin to make their appearance in the character of small gray moths belonging to the family of Tineidæ. The antennæ setaceous and simple; labial palpi long and recurved; maxillary palpi short and distinct; wings narrow and applied to the sides of the body when at rest. Length four and a half lines, or less than half an inch. Color light gray, slightly varied above with brown. Across the end of the wings are three oblique blackish lines, the terminal one consisting of a series of black points.

"The larvæ of this species, if permitted to multiply without check, would become a source of serious damage. Indeed, several years ago some of my plum trees became almost entirely covered with them. But by assiduously picking them off and burning them, my garden is now almost entirely free from them. In this operation I have been assisted by some of our winter birds, especially the tree sparrow (*Fringilla canadensis*), which I have seen busily tearing open the clusters of matted leaves in search, no doubt, of the larvæ concealed in them.

"I sent specimens of this insect, and also a description of the leaf hopper mentioned above to my friend Dr. Harris, of Massachusetts, and have been informed that he has not met with either of them in the Eastern States."

In the issue of the same journal for May 17, 1860, Mr. Walsh publishes an extended account of the life history of this insect, for which he proposes the scientific name *Phycita nebulo*, and suggests that it may be popularly known as the rascal leaf-crumpler. He had found the larvæ feeding on the leaves of apple, crab, and plum-trees.

The more important scientific portions of this article were republished in the Proceedings of the Boston Society of Natural History for 1863 (Vol. IX., pp. 312, 313).

There next appears in the "Prairie Farmer" for April 27, 1867 (p. 279), a note from a correspondent residing at Illiopolis, Ill., concerning a 'Worm on apple-trees, which is becoming very troublesome, and in many instances destroys the entire crop, and nearly always strips the trees of all early leaves." From the description given, Mr. Riley identified the insect as the leaf crumpler, and in reply gives a brief summary of its life history, with the following recommendations for its destruction: "There is no better method of destroying the worms than by picking and killing in winter, though you may do much quicker service by building fires in the orchard the latter part of June and July, into which the moths, unconscious of their fate, will plunge by hundreds, and thus a stitch in time will not only save nine, but fully ninety-nine."

Again in the issue of the same journal for August 3, 1867, appears the query of a correspondent from Franklin county, Iowa, concerning an insect "that is injurious to trees, fastening itself upon the limbs and killing them." Mr. Riley identified the insect

as the present species and writes: "It is very troublesome and numerous indeed this year throughout the State [Illinois]. As the worms remain in their silken cases through the winter the best manner of destroying them is to pluck them from the twigs at that season of the year, when they may be readily discovered, and to burn them. The moth which produces them should also be destroyed whenever seen."

About this time Mr. Walsh also received specimens of this insect from Iowa, and recommended the hand picking of the larval cases (Practical Entomologist, Vol. II., p. 18). The species was also briefly mentioned by Townend Glover in the Report of the Commissioner of Agriculture for the same year (1867, p. 73).

Again, in the "Prairie Farmer" for July 10, 1869, Mr. B. T. Taylor (residence not given, but presumably Illinois) publishes a note concerning an insect attacking apple-trees, which, from specimens sent, is identified by Dr. Riley as the leaf crumpler. The larvæ evidently were destructively numerous, for Mr. Taylor writes that after picking the leafy cases, one tree was left to see what effect the worms would have upon it. But when the injury that was being done was discovered, Mr. T. killed all the worms he could find, and expresses the opinion that had this not been done, the trees would have been defoliated.

In the "Canadian Entomologist" for July, 1870 (Vol. II., pp. 126–128), Mr. Wm. Saunders records the occurrence of the leaf crumpler on apple trees at London, Ont., and gives an excellent account of the life history of the species. There is here noted, for the first time, I believe, a habit of the larva, the effect of which may be seen on almost any infested tree—that of gnawing the green bark of the tender twigs. He suggests that this habit of "gnawing away all the young bark from and about the spot to which the case is attached, would in all probability lead sometimes to the girdling of the young branches and their consequent death." The breeding of an Ichneumon parasite from this species is also here recorded

Mr. D. B. Wier published in the "Prairie Farmer" for February 17, 1872, a lengthy article concerning this species, mentioning it in the introduction as an insect that "sometimes becomes very noxious, both in orchard and nursery." Concerning its winter and early spring history, he writes as follows:

"Like the black bear, winter finds it rolling in fat and securely housed, but spring finds it a most pitiable object indeed; its fat rounded abdomen of the fall before is shriveled to a mere point, the worm of half an inch scarcely measures an eighth; and it seems to be all head and no body. Yet it is lively and anxiously moves its house about in the warm part of the day, awaiting the pushing of the buds. As soon as the buds have swollen enough to expose the tender parts, it attacks the first it reaches and eats all its tender parts. By this our Phycita does us the greatest damage. If there are a great many on the tree they destroy nearly

all the leaf, as well as fruit buds, in this way not only spoiling the symmetry of our trees, but preventing a crop of fruit. It feeds most voraciously in early spring and soon finds its house of the year before too small for it, but, strange to say, instead of enlarging it, it begins to build a new one beside the old, which it securely fastens to the side of the old one, and carries both wherever it goes until it reaches maturity (?). * * * The rascal leaf-crumpler feeds upon the leaves of nearly the whole order Rosaceæ, but is most injurious to the apple among our domestic fruit."

This writer also records the discovery of a hymenopterous parasite, said by Dr. LeBaron to be a new species of Ichneumon. In some parts of the nursery nearly all of the Phycis larvæ were destroyed by these parasites, while in other parts it was said that none of them could be found.

As to remedies, Mr. Wier expresses the opinion that "There is perhaps no noxious insect that can be kept in check by labor alone easier than this." He recommends picking the cases and placing them in such a position that the larvæ will starve and the parasites escape; and adds the following paragraph concerning the application of lime: "Dr. Hull recommended a few weeks ago in this paper, air-slaked lime strewn over the leaves of trees as a preventive of this insect. The application would, I fear, be of little use, for the young larvæ are so snugly protected by their little houses that the lime would hardly reach them, and by their activity they would soon find some point uncontaminated by lime."

In the Fourth Annual Report of the State Entomologist of Missouri (pp. 38-42) Dr. Riley publishes a lengthy account of the species, which, he states, "sometimes become so prodigiously multiplied in young orchards, or in the nursery, as to seriously affect the health of the trees; for it does not confine itself to the leaves, but often in early spring commences on the swelling buds, attacks the young fruit, or gnaws the tender bark." He mentions it as "an insect which is quite common in the Western States, and which also occurs in Ontario, but does not seem to be known in the Eastern or extreme Southern States." He adds, "Though I have not met with this leaf crumpler in Southern Illinois, it nevertheless occurs throughout our own State, and is quite injurious in the southwestern counties." Concerning the food plants of the species he writes: "I have bred this insect from apple, cherry, wild and cultivated; plum, wild and cultivated; quince and crab-apple; and have noticed the cases on peach. Near St. Louis it has been, if anything, more injurious to quince than to apple-trees. Yet it does not seem to be able to live on the pear."

This author remarks upon the ease by which the pest may be subdued by hand picking, advising that the plucked cases "be thrown into some small vessel and deposited in the center of a meadow, or field, away from any fruit trees," where "the worms

will wander about a few yards and soon die from exhaustion and want of food, while such parasites as are well developed or in the pupa state will mature and eventually fly off."

Two parasites are here recorded as preying upon the species; *Tachina* [*Exorista*] *phycitæ*, LeBaron, and *Limneria* [*Banchus*] *fugitiva*, Say, the first having been bred by Dr. LeBaron, and the last by Mr. Wier. Excellent descriptions of the three stages of the insect are also published and a variety (*nebulella*) of the moth is characterized.

In a foot-note Dr. Riley states: "*Phycita nebulo*, Walsh, is *Myelois indiginella*, Zeller, as I am informed by the latter author, who has had occasion to examine specimens which I forwarded to him." But though Zeller's description of the insect was published twelve years before that of Walsh, and the identity of the two species is not questioned by Riley, he, together with many subsequent writers, has retained Walsh's name.

A short account of the life history of the leaf crumpler was published by Prof. G. H. French in the seventh of the series of reports upon the insects of Illinois (pp. 249–250), in which, however, nothing new was added to the existing knowledge concerning the species.

During the year 1878 this insect attracted some attention because of its injuries in the vicinity of Coldwater, Mich., where it was popularly called the leaf roller. Prof. A. J. Cook, by whom the facts were recorded (Trans. Mich. Pom. Soc. 1878, p. 22), recommended the hand picking of the larval cases and the application of Paris green as the most practicable remedies.

About this time the insect seems to have made its way into Georgia, if indeed it had not been there long before. In the "American Naturalist" for May, 1881, Dr. Riley notes the receipt of specimens of these larvæ (which he calls *Acrobasis nebulo*) from Bryan county, where they were reported to be doing serious damage.

In Mr. Grote's "New Check List of North American Moths," published in 1882, *Phycis indiginella*, Zeller, is given as the preferred name of the species, *nebulo*, Walsh, being mentioned as a rejected synonym. The only variety given is *juglandis*, LeBaron, a form affecting walnut, which, as Riley has shown (4th Rep. St. Ent. Mo., p. 42), should rank as a distinct species.

An excellent general account of the life history of the leaf crumpler appeared in 1883 in Mr. Wm. Saunders's treatise on "Insects Injurious to Fruits" (pp. 93–95); though in discussing remedies it is recommended that the gathered larval cases be crushed or burned, no mention being made of the seemingly better method noted above by which the parasites are allowed to escape.

Mr. F. M. Webster, in a paper read before the Indiana State Horticultural Society and published in the transactions of that society for 1885, briefly outlines the life history of the species, but records

no original observations, and does not definitely state whether the insect is found in Indiana or not; though from the fact that it is included under the general head of insects of the year, we may infer that it is a common pest.

In the issue of the "Fruit Growers' Journal" (Cobden, Ill.) for March 11, 1886, Prof. G. H. French, in writing of the condition of the orchards about Centralia, notes that in a two year old orchard visited "the leaf-crumpler (*Phycita nebulo*) seemed to be present."

DESCRIPTION.

Larva.—"Brown or greenish in color, cylindrical, tapering gradually from first to last joint. Head and cervical shield darker than the rest of the body, slightly shagreened, sparsely covered with long hairs, the shield quite large, convex, and occupying the whole surface between stigmata, there being in front of the latter a sub-cervical dark horny plate. Joints 2 and 3 wrinkled as at Figure 18, *c*, the former with two rather conspicuous dark dorsal piliferous spots. The other joints with a few fine hairs, the stigmata plainly visible, and the anal covering but slightly horny. Legs and prolegs of moderate size and of same color as body.

"Described from numerous specimens."

Pupa.—"Mahogany-brown with no striking character. Abdomen, especially above, with very minute punctures."*

Imago.—Mr. Walsh's description is as follows: "Expansion of wings, 7–10; length of body, 3–10. General color light cinereous, varied with dusky. A row of about seven subsemilunar or linear dark spots on outer margin of fore wing. Then one fourth of the distance to the body a waving light cinereous band parallel to the exterior margin, marked on each side with dusky black. Nearly at the center a much abbreviated black band. Beyond the center on the costal margin a subtriangular dusky black spot, the apex of which connects with the apex of a much larger subobsolete triangular brick red spot which extends to the interior margin, and is bounded on the outside by a wavy light cinereous band, which is again bounded by a wavy dusky black band proceeding from the apex of the costal triangle. Base of wing dusky black, enclosing a small round light cinereous spot. Hind wings and all beneath light cinereous shaded with dusky; the fore wings darker. Tarsi dusky with a narrow light cinereous fascia at the apex of each joint. Hind tibia fasciate with dusky at the apex, sometimes obscurely bifasciate. Intermediate tibia fasciate with dusky at the center, the fascia generally extending to the base, but becoming lighter. Anterior tibia dusky, with a narrow apical light cinereous fascia. Palpi, both labial and maxillary, dusky."

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*Riley, 4th Mo. Rep., p. 41.

To this Dr. Riley adds:

"When compared with other closely allied and resembling species, this little moth may be characterized in the following manner: The ground color of the front wing is decidedly bright and pale; the discal spots are almost always confluent, thus forming an abbreviated transverse bar; the dark markings are well defined, and the triangular dark costal spot starting from the inner third of the wing is distinctly relieved, while the 'brick-red' (nearer a cinnamon-brown) triangular spot which opposes it is large, so that the space it occupies on the inner margin is nearly as wide (generally within one third) as that between it and the transverse posterior line. The lower half of the basal space is often of a distinct cinnamon-brown, and an oblique dusky band, which Mr. Walsh has not mentioned, is often quite distinct, running from near the apex to the brown triangle, where it connects with the inner margin."*

DISTRIBUTION.

This insect seems to be very generally distributed throughout Illinois and adjacent states. During the past season I have found it more or less abundant in the following counties of this State: Champaign, Crawford, Edwards, Effingham, Jackson, Marion, Madison, McHenry, McLean, Monroe, Montgomery, Perry, Randolph, Shelby, Stephenson, St. Clair, Union, and Wabash. In 1885 Professor Garman found it common in orchards at Mt. Pulaski, in Logan county, and the year previous the larvæ were collected at Du Quoin, in Perry county.

In the states adjacent to Illinois this pest seems to have a wide distribution. In the article from the Fourth Report of the State Entomologist of Missouri, quoted above, Dr. Riley writes that it "occurs throughout our own State and is quite injurious in the southwestern counties." In Tennessee, as I am informed by Mr. E. W. Doran, Entomologist to the Board of Agriculture of that State, it is "plentiful in most orchards" that he has examined; and Prof. F. H. Snow, of Lawrence, Kansas, writes that it is quite a common nuisance in his state. In Iowa it has long been known, though Prof. Herbert Osborn, of Ames, informs me in a recent letter that it "seems much less abundant than in the past." He adds: "While a common pest, it has never, to my knowledge, caused any widespread destruction in this State."

In the writings of Walsh and others, noted above under the head of Literature, it is stated that the species did not at that time occur either in Southern Illinois or New England. It seems, however, to have spread rapidly since, for it is now common in the first-named region, and, as I am informed by Prof. C. H. Fernald, occurs throughout New England. Is it not possible that it was merely overlooked twenty years ago?

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* 4th Mo. Rep., p. 41.

LIFE HISTORY.

Recapitulating the facts brought out in the various articles cited above, the life history of the leaf crumpler may be briefly given as follows: The small, grayish moths appear in June or July, and deposit eggs on the various trees which serve as food plants for the larvæ. From these eggs there soon hatch small brownish worms, which construct tubular silken cases, within which they remain concealed when not eating. As they grow larger they draw about the openings of their abodes many partially eaten leaves, so that by autumn there is quite a bunch about each case.

At the approach of cold weather the cases are attached to the twigs by means of silken threads, the larvæ frequently gnawing away the tender bark to insure a firm hold; and thus the winter is passed. As soon in spring as the leaves begin to appear the larvæ attack them, frequently eating out the flower buds as well. They continue feeding and growing until some time in June, when they become pupæ. Professor Garman found both larvæ and pupæ at Champaign June 13, 1885. About a fortnight later the moths emerge, and thus the life cycle is completed. In the breeding cages of the laboratory the moths have emerged as early as June 22 and as late as July 24.

From the references given above, and the note-slips of the office, it appears that the leaf crumpler feeds habitually upon the apple, quince, and possibly the peach, and on both the wild and cultivated varieties of the cherry, plum, and crab-apple.

INTRODUCTION INTO NEW LOCALITIES.

I know of no other orchard insect that is so liable to be generally introduced into new localities through the dissemination of young fruit trees as this, the peculiar winter habit of the species being such that, unless the trees are examined with special reference to it before they are sent out, a few of the larvæ are almost certain to adhere to them. Hence, both the person sending and the one receiving young fruit trees should be careful to pick off and destroy all suspicious looking leaf-masses. It may be argued that this pest is so generally distributed that it would make no difference were a few more to be introduced into each locality every year; but it does make a difference, for the balance which nature has adjusted between these insects and their various enemies is thus disturbed, and a new energy is infused into the work of destruction.

PARASITES.

Besides the parasites mentioned above by Dr. LeBaron and others, we have bred from this species an undescribed chalcid belonging to the genus Eupelmus.

REMEDIES.

There is no excuse, save that of gross negligence, for allowing these pests to injure young fruit trees. The larval cases are so easily picked off at a season when the orchardist has abundant leisure, that it is easy to find time to attend to them. I have been in several orchards the past season in which these larvæ were sufficiently numerous to seriously check the healthy development of the trees; and I doubt not that a similar condition prevails in hundreds of young orchards throughout the State. In some instances I have found trees so infested that there was a larva lying in wait for almost every bud; and it is needless to state that already the effect of past injuries could easily be traced in the diminished vitality of the trees. Doubtless the method, so frequently mentioned above, of placing the picked cases in an open field, away from trees, where the larvæ will starve and their parasites escape, is preferable to that of burning. Or, if the young trees are infested with any other of the several leaf-eating species, they may be killed by spraying with the arsenites, as recommended elsewhere in this paper.

In the nursery it is of the first importance that these pests should be destroyed; and the nurseryman owes it both to his patrons and to himself to see that the work is thoroughly done.

It is often difficult to convince those most interested of the easy practicability of picking these cases off of nursery stock. I have in mind an instance in which a nurseryman of unusual intelligence, whose apple stock was infested by the leaf crumpler, being advised by one of the leading entomologists of the State to put boys in the field to pick them off, regarded the idea as nonsensical and impracticable; and he was only convinced of the ease with which the work could be performed when shown the results of a practical experiment made to test the matter, in which a boy was placed in one of the infested fields with instructions to gather all the cases on the young trees. In two hours thirty rows three hundred yards long were gone over, and a half peck of the larval cases gathered. When shown this accumulated mass of destroyers, our friend was convinced, and at once hired boys to go over his fields. He afterwards expressed himself as surprised and highly pleased with the result. The larval cases were picked off of ten acres of one year apple stock, by two boys, in one and a half days.

The Lesser Apple Leaf Roller.

(*Teras minuta*, Robinson.)

Order Lepidoptera. Family Tortricidæ.

[A greenish yellow, slightly hairy worm, about half an inch long, affecting the young leaves of the terminal twigs. Pupates in the rolled leaves, and emerges as an orange moth in summer, or a gray one in autumn.]

The lesser leaf roller has been seriously injurious in Illinois for more than twenty years, and must, I believe, rank first in the list of leaf-eating nursery insects. Beginning its attack as soon as the leaves have partially unfolded, and affecting largely the terminal twigs, it is capable of doing great damage by checking that straight upward growth so necessary for a successful nursery tree, and causing the throwing out of side branches, which give to the tree a stunted, scraggy appearance.

LITERATURE AND NOMENCLATURE.

The literature relating to this insect is in a peculiarly chaotic condition, owing to the fact that it has been described by five different entomologists under as many different specific names. These various names have been held good by most writers until within a few years, and the insect has been frequently treated of as one or another of the five species. The reasons for this peculiar multiplicity of names are to be found in the wide distribution of the species, the varying food habits of the larva, and the remarkable dimorphism of the imago.

The species was first described as *Tortrix minuta*, by Mr. C. T. Robinson in February, 1869 (Trans. Am. Ent. Soc. Vol. I., p. 276; pl. vi, fig. 49). The specimen from which the description was written had been collected in Texas, by Belfrage.

The following year the insect was redescribed twice,—once by Dr. LeBaron as *Tortrix malivorana* (2d Rep. St. Ent. Ill., pp. 20–23); and again by Dr. Packard as *Tortrix vaccinivorana* (Mass. Agr. Rep., 1870, p. 24). Dr. LeBaron had bred the moth from larvæ feeding upon apple, and published an extended ac-

count of its life history and injuries. Substantially the same article appeared in the "American Naturalist" for June, 1871 (Vol. V., p. 209). Dr. Packard had obtained his specimens from cranberry-feeding larvæ collected in New Jersey.

In the report above cited, Dr. LeBaron states that the larvæ had been very destructive on the grounds of D. B. Wier, Lacon, Ill. At the time of his visit the injury was so apparent that before reaching the place his "attention was arrested by the blasted appearance of the apple nursery, the foliage looking at a distance as if it had been scorched by fire. At this date most of the insects were either pupæ or imagos, the latter being so abundant that a flock of them could be put to flight almost anywhere by brushing against the plants." Dr. LeBaron states that "there are at least two broods of this insect in a season, the first brood of moths appearing early enough to deposit their eggs in the folds of the young leaves just as they begin to open. * * * Another brood was just emerging, as I have above stated, in the third week of July. * * * In what form they pass the winter I believe has not yet been determined."

Of the larval habits Dr. LeBaron writes: "Usually one caterpillar, sometimes two or three, eats off the upper cuticle of the leaf, curling the two sides upwards till the edges nearly or quite meet, and tying them together with web. In this enclosure the little caterpillar goes through its transformations. It lines the opposite sides of the leaf, where the pupa lies, with white silk."

According to Mr. Wier's observations, "The young of the last brood, hatching as they do on the surface of the mature and rigid leaf, do not draw its edges together, but simply protect themselves by constructing a web over the surface of the leaf."*

Concerning the rapidity of increase and possible remedies, Dr. LeBaron writes: "This little insect furnishes a very remarkable example of the sudden appearance and rapid multiplication of noxious species. The moth is so rare that I cannot learn that it has ever before been seen, even by entomologists. If this insect should spread so as to infest other nurseries as it has that of Mr. Wier, it would prove itself a pest of the most serious character; and, so far as we can judge from present appearances, it will be a difficult matter to reach them (the larvæ) with remedial agencies, both on account of the closure of the leaf in which they dwell and their webby covering. * * * Mr. Wier thinks it would have paid him well to have gone through his nursery early in the season and picked off the folded leaves. It is evident that whatever applications we make use of here must be made before the young insects have time to close the leaf above them, in the case of the first brood, or before they have covered themselves with web, in the second. * * * These little worms are so tender and so unprotected by any hairy covering that I should

* It seems probable that Mr. Wier mistook the larvæ of *Pempelia hammondi* for those of the leaf roller, as the latter are not known to have this habit.

expect them to be easily destroyed by any of the ordinary applications, such as lime, ashes, or soap, provided we can find a time when the substance applied will really reach them."

The next notice of the species appears in the "Prairie Farmer" for September 16, 1871, where Dr. LeBaron states that "the observations of the present year give us good reason to believe that this little pest is not going to prove of as serious a character as we at first apprehended. Whether it be that they have been destroyed by natural enemies, or, what seems more probable, in the absence of any known enemies of this kind, that they are very susceptible to the vicissitudes of the weather, it is an evident fact that the hosts of last year have entailed a very scanty progeny upon the present. I visited Mr. Wier's place this season at about the time of my last year's observations, and though there were marks of damage by the early spring brood, the second seemed, for some reason, to have proved abortive. I could find but few specimens, and the nursery trees had made a good growth."

In the "Prairie Farmer" for February 10, 1872, Mr. Wier publishes an abstract of Dr. LeBaron's article and gives the following additional particulars concerning the attacks of the insect: "My attention was first called to it the fall of '63, by a neighboring nurseryman. * * * His acre or more of seedlings could have looked no worse if they had been sprinkled over with dry straw and burned over; yet, as was the case in our nursery, there was scarcely a Tortrix to be seen the succeeding summer, and his seedlings made a very strong growth. I next saw it in my nursery in June, '64, when it swept over a large lot of two year old apple trees but did no serious damage, as there appeared to be but one brood. It was next seen, as stated above, about the 12th of June, 1870, involving the entire apple nursery here, and more or less the orchard. At that time the caterpillars were about half grown, but were not numerous enough to do any serious damage. They commenced to change to chrysalides about the 20th of June, and in three to four days the little bright orange moths were flitting around depositing the eggs for another brood of worms. The eggs soon hatched, and as the brood of worms was at least one hundred times more numerous than the first, the trees soon showed signs of damage. I did not determine positively, but I am quite certain that this brood changed to moths in about thirty days, or the 20th of July, and they at once laid their eggs, increasing perhaps fifty-fold (enemies had begun to prey upon them). They matured about August 20, and laid eggs for another brood about equaling the second; these, so far as I could see, were all killed by frost, that were not destroyed by their natural enemies, when about two thirds grown."

The species is next treated of in the Fourth Report of the State Entomologist of Missouri (pp. 46–48, fig. 22), where the gray winter form is described as "The Green Apple Leaf Tyer—*Tortrix cinderella*, n. sp;" and a short notice of Dr. LeBaron's article

upon *T. malivorana* is given, together with an account of the life history of the latter by Mr. Wier, reprinted from the "Prairie Farmer" for February 10, 1872. Dr. Riley writes: "These worms bear so close a resemblance to each other that it is almost impossible to characterize them." He says concerning the larva of *T. cinderella*: "This worm changes to a chrysalis within the fold of the leaf, lined with silk, and when about to give forth the moth works its way partially out at one end The chrysalis is peculiar from having a rounded projection in front of the head. The moth is a most unassuming little body, with the front wings of a dark ash-gray, without a shade of any other color, the hind wings paler." And of the other supposed species, *T. malivorana*, he remarks: "In habit, and in size, form, and color, it is the exact counterpart of the leaf-tyer just described. The chrysalis is also similar; but the moth, instead of being uniformly ash-gray, is of a bright orange, but of exactly the same size and equally uniform in coloration, so that by imagining a bright, golden orange instead of deep ash-gray, Figure 22, *c* would answer for this species."

In 1875 Zeller again described the orange form of the moth (*Beitr.* p. 6), the species this time receiving the name *Teras variolana*.

In the Report of the U. S. Geological and Geographical Survey for 1876 (pp. 522,523), Dr. Packard publishes the following details of the form on cranberry, which he then called the "Yellow Cranberry Worm (*Tortrix vacciniivorana*):" "The larva draws the leaves together with silken threads, transforming into a pupa within the mass. A single larva seems to select one twig or bunch, and eats the parenchyma from the upper surface of the leaves until every leaf or twig is injured and the plant nearly as much destroyed as if the leaves were eaten up entirely. In this way each larva seems to eat the best part of about twelve leaves, which usually remain on the stalk, affording a shelter to the pupa, which is naked, partly sticking out of the leaves."

Probably Dr. Packard meant that the pupa was thus exposed after the emergence of the moth, rather than before. At least this is the case with the apple-feeding specimens.

Mr. Trouvelot, by whom the drawings for Dr. Packard's illustrations were made, noticed that, like the larvæ of the Hesperidæ, as Eudamus and Tityrus, this cranberry worm sends off the excrement to some distance, when it defecates. When it had built an imperfect cocoon it was very careful to remove the pellets of excrement in it by taking them with the mandibles and carrying them out.

In the "Prairie Farmer" for July 15, 1876, Dr. Cyrus Thomas notes the receipt, from Mr. T. Hallett, Galena, Ill., of a letter stating that a green worm had been doing much injury to the young apple trees, causing them to change color as if singed by fire. In the absence of any specimens the Doctor presumes this to be the present species. Mr. Wier's article, published in the "Prairie Farmer" in 1872 (*l. c.*), is here republished.

In the Report of the Seventh Annual Convention of the New Jersey Cranberry Association (1879, p. 7), Mr. John H. Brakeley gives an account of the injuries of this insect to cranberries, and adds that it is commonly found on the high-bush whortleberry.

There next appears in the Index to the Missouri Entomological Reports (U. S. Ent. Com., Bull. No. 6, pp. 82, 83) a note, following the republished description of *Tortrix cinderella*, in which Dr. Riley says: "From specimens reared from cranberry-feeding larvæ received from Mr. John H. Brakeley, of Bordentown, N. J., I am satisfied that this is the same species briefly characterized by Packard in the first edition of his *Guide* as *Tortrix oxycoccana*, and that *T. malivorana* LeBaron is but a dimorphic orange form subsequently described by Packard as *T. vacciniivorana*. The orange and ash-gray specimens are thus bred both from Apple and Cranberry. I have reared both forms from Cranberry and from Apple, and they are indistinguishable in the larva and pupa states. The gray form is more or less suffused with orange scales and the orange form less frequently with gray scales. This is the most remarkable case of dimorphism with which I am familiar in the family, and points strongly to the important bearing of biological facts on a true classification. The dimorphic coloring is not sexual, but occurs in both sexes. * * * The species belongs to the genus Teras, and, as Packard's specific name *oxycoccana* has priority, the insect should be known as *Teras oxycoccana*, Pack. * * * The gray form of the moth is most frequent in autumn."

Prof. C. H. Fernald, in his "Synonymical Catalogue of the described Tortricidæ of North America," published in 1882 (Trans. Am. Ent. Soc., Vol. X., p. 9), retains the four species—*Teras oxycoccana, cinderella, malivorana*, and *vacciniivorana*,—remarking in a foot note that "Prof. Riley thinks these four species are all one, but surely *oxycoccana*, Pack., must be distinct." *Teras minuta* is also here given as a distinct species, and *T. variolana*, Zell. is mentioned as a synonym of it.

Both forms of the species are treated of by Mr. Wm. Saunders in his treaties on "Insects Injurious to Fruit" under the names given by LeBaron and Riley, but the statement is made that "it is probable that both insects are slightly modified forms of the same species."

In "Papilio" for April, 1884 (p. 71), Prof. Riley, in an article entitled "On the Dimorphism of *Teras oxycoccana*, Pack.," republishes the paragraph above quoted from the Index to the Missouri Reports, and adds that as a consequence of the doubt implied in Prof. Fernald's Catalogue concerning the correctness of these views, he "put the question to so full a test as to leave no reason for doubt. The experience of Mr. J. B. Smith in the field is confirmatory; but from material which he sent to Washington, we not only actually bred the orange form from the first brood of larvæ, received in May and produced from the hibernating slate-

colored form, but also the slate-colored form from larvæ hatched from eggs laid by the orange form. Over two hundred specimens reared from larvæ received in August and produced by the second brood of orange moths were all referable to the slate-colored form. In fact all the moths which issued after September 23 were of this form, though there was but a difference of five days between the issuing of the last yellow and the first gray specimens, the latter continuing to issue through October. Many of the gray specimens, especially those which first appear, are so suffused with orange or reddish scales as to appear somewhat intermediate between the two extremes, but there are none which are not at once referable to the gray form. It is, in fact, an interesting case of seasonal dimorphism."

In Bulletin No. 4 of the Division of Entomology of the U. S. Department of Agriculture (pp. 22–26) Mr. J. B. Smith records a series of observations upon this species as a cranberry insect, describing it as "rather interesting and anomalous in that it has two distinct forms—a gray winter form and a summer yellow form." He states that the moths of the gray form, a few days after emerging," largely lose their red scales, which rub off very easily, and they appear then of a uniform gray slate-color." According to his observations these moths emerge in October, hibernate as adults in "crevices, outhouses, and rubbish heaps," and in the spring (April 15 to May 1) deposit their eggs. About a fortnight later the larvæ hatch and eat the foliage. By May 24 the larvæ had begun to pupate, and the first moths emerged June 4. "These moths were smaller in size than the gray specimens, and entirely different in color, being yellow, with ochreous mottlings. * * * On fresh specimens the ochreous or reddish scales are dense and give the insect a deeper color; worn specimens lack these scales and appear uniformly yellow. The sexes do not differ in size, and none expand more, and many less, than 0.5 inches." The second brood of larvæ appeared late in June or early in July, and the moths produced by them, which are also uniformly yellow, emerge in August, to lay eggs for the third brood, the moths of which, as before stated, emerge in October and are of the gray form. Mr. Smith states that he is perfectly positive that this gray brood is the "result of the eggs laid by the yellow form, for not only were there no gray moths on the bog to produce them, but I watched the yellow forms oviposit, obtained some eggs from females in confinement and sent them to Washington to be reared, and Prof. Riley informs me that gray individuals were obtained from them." He adds that Dr. Brakeley, of New Jersey, had several years before come to the conclusion that the species is dimorphic.

In the issue of the "Canadian Entomologist" for the same month of the same year (April, 1884, p. 64) Prof. Fernald states that he had examined a long series of the specimens bred by Dr. Riley, and was surprised to find that "the orange forms were *Teras minuta* Robs., which was redescribed by Zeller as *Teras variolana*." He adds: "I have for several years past taken a Teras here in con-

siderable numbers, late in September, which I have sent to several correspondents in Europe who have written me that they were quite unlike anything there. These proved to be like the slate-colored and red mixed form mentioned above, except considerably larger; I can see no difference except in size. There is no cranberry growing where these are found, but other related plants, as blueberry, upon which they might have fed. My impression is that they hibernate in the imago state, but of this I am not sure. A few years ago I received several specimens from Mr. G. M. Dodge of Glencoe, Neb., 'bred on wild rose,' which are so like those taken here that I could separate them only by their greater depth of coloring and their much larger size, for they are as much larger than those taken here, as these are larger than those from Prof. Riley and others from Texas. I received *T. minuta* from Mr. Dodge, and also from Mr. Morrison, taken in Nevada, and they also were unusally large. I am, therefore, inclined to believe them all the same species, but I am not yet ready to concede that *oxycoccana* is the same thing. It will be better to allow it to remain separate till it can be proved to be the same, rather than to unite them now, and separate them later, should they prove distinct.

"The synonymy is as follows:

Teras minuta.

Tortrix minuta, Robs., 1869.

Tortrix malivorana, Le Baron, 1870.

Tortrix vacciniivorana, Pack., 1870.

Teras variolana, Zell., 1875.

"The above are the orange forms.

Tortrix cinderella, Riley, 1872.

"Riley's name may be used to indicate the slate-colored form.

Robinson's *T. minuta* was published in February, 1869, and Packard's *T. oxycoccana* not until April, 1869."

The species next attracted attention during 1883 and '84 by its extraordinary abundance in nurseries in McLean county, Illinois. Prof. S. A. Forbes called attention to the outbreak in a paper read before the State Horticultural Society in 1884, (Transactions, p. 124), stating that thick-leaved trees were relatively little affected, but that all the others were so seriously checked in their growth as to excite the serious apprehension of the owner. As to remedies, Prof. Forbes stated that "methods of precaution must be the main reliance," and also recommended that the foliage be sprayed with arsenical mixtures early in the season, when the injury is just beginning.

Similar observations concerning the same attack were published in the Fourteenth Report of the State Entomologist of Illinois.

I recently sent Prof. Fernald a number of both forms of the moth, which had been bred from apple during the last two years, in the hope of determining whether Packard's *oxycoccana* (of which Prof. Fernald possesses the type) is a synonym of *minuta*. But Prof. F. replies (Dec. 27, 1886) that the *cinderella* specimens "do not approach the type of *oxycoccana* any nearer than many others which I have seen, so I am still in doubt about *oxycoccana*."

DESCRIPTION.

Egg.—I have not seen the egg. Dr. Riley in the Index to the Missouri Reports says: "The eggs of this species are very flat, circular, and translucent, with a diameter of 0.7 mm., and are laid singly on the under side of the leaf near the midrib." To this Mr. Smith adds that the egg is "precisely like that of *Anchylopera vacciniana* in form and color, but is very slightly larger." (U. S. Dept. Agr., Div. of Ent., Bull. No. 4, p. 24.)

Larva.—Length 12 mm. Body thickest just in front of the middle, tapering very slightly both ways. Color pale honey-yellow with a slight greenish tinge. Head and prothoracic shield gamboge-yellow; former nearly as wide as latter. Mouth parts darker. Ocelli on a nearly crescent-shaped black spot on either side of head. Another dark spot at base of head laterally, and sometimes a slight trace of a brown line connecting the two, so that the whole resembles somewhat the letter S. Body sparsely furnished with fine pale hairs arising from prominent polished tubercles, the hairs varying in length, the longest being about half as long as the body is wide. The four dorsal tubercles are arranged in a trapezoid, with a deep crease between the anterior and posterior pairs, the tubercles of the posterior pair being farthest apart. Stigmata pale, on middle segments situated slightly posterior to a line connecting the two lateral tubercles and nearest the upper tubercle. Thoracic feet usually tipped with black. Just below tip of dorsal portion of the anal segment and above the anal opening is a nearly vertical plate bearing a series of rows of peculiar blunt bristles, curving slightly upward, those above being shorter than the lower ones, so that the whole forms a stiff brush. (Possibly it is by means of this that the larva is enabled to "send off its excrement to some distance when it defecates," as noted by Mr. Trouvelot in Dr. Packard's article cited above.)

Described from many specimens feeding on apple.

Riley's description of the pupa is as follows:

Pupa.—"Length 0.25–0.30 inch. Brown; characterized by a peculiar rounded projection from front of head; by a little pointed prominence at base of each antenna and each side of penultimate abdominal joint; and by terminating in a broad suppressed piece which produces two decurved hooks. Posterior rim of abdominal joints rasped dorsally, and a slight rasped dorsal ridge near the

anterior edge of larger joints. Legs reaching only to end of wing-sheaths. The head-prominence varies in size and slightly in form." (Fourth Mo. Rep., p. 47.)

Imago.—Prof. C. H. Fernald has kindly furnished me with the following descriptions, drawn up from the large series of specimens from various localities which he has studied:

Orange form.—Expanse of wings, from 14 to 20 mm.

Head, palpi, thorax, and fore wings above, orange-yellow. The fore wings are sprinkled with lead-colored scales which are arranged somewhat in numerous cross lines. The fringes are somewhat lighter in color. The upper side of the hind wings and abdomen are pale fuscous and silky. The fringes and anal tuft are lighter. The under side of the wings and body, as well as the middle and hind legs, are pale yellowish white. The fore legs are orange-yellow in front and pale yellowish-white behind.

Gray form.—Expanse of wings, the same as the orange form.

Head, palpi, thorax, and fore wings above, ashy gray with more or less chestnut-red scales mingled. In some specimens the red predominates; in others, the gray; but they intergrade perfectly, so that no separation can be made. Occasionally a specimen will be found with darker scales arranged in cross lines like those of the orange form. A thoracic tuft with a chestnut-colored tip is occasionally found. The fringes of the fore wings are ashy gray, sometimes stained with reddish. The upper side of the hind wings and abdomen are pale fuscous and silky. The fringes and anal tuft are lighter. The under side of the wings is pale yellowish fuscous, the hinder ones being a little lighter, and with a few brownish sprinkles along the costa and outer margin in some examples. The legs and under side of the body are somewhat darker than the wings.

DISTRIBUTION.

It is evident that this species is widely distributed, as it has been recorded from Maine, New Jersey, Illinois, Missouri, Nevada, and Texas. It also occurs, no doubt, in many other states between and adjacent to those named.

LIFE HISTORY.

The breeding notes of this office confirm the surmise that the life history of the species when affecting apple is similar to that of the cranberry-feeding specimens. Some larvæ collected upon apple stock in McLean county May 15, 1886, commenced pupating about May 22, and by the 27th two thirds of them had pupated. The first moths emerged June 2, and others continued to come forth until June 7. Another lot of larvæ from the same nursery, collected May 21, had mostly pupated, and emerged as moths from the 5th to the 11th of June. In every instance these moths were of the normal summer orange form. Larvæ collected August 6, 1883, on young apple trees in a Marion county nursery, emerged as orange moths on the 20th of the same month.

From larvæ collected on apple in McLean county September 17, 1884, there emerged during October of the same year a lot of slate-colored moths belonging to the form *cinderella* as described by Riley; and March 20 of the present year (1886) I found the same kind of moths (differing from the freshly emerged specimens only in having the reddish scale rubbed off) flying abundantly in the same nursery. Again, from larvæ collected in the Marion county nursery mentioned above September 23 of the present year, the same glistening gray moths have emerged, and are to-day (December 14) alive in the breeding cage. Nor have we ever obtained the gray form in summer or the orange form in autumn.

Although these observations are somewhat isolated and fragmentary I believe that that they are sufficient to establish the fact of the dimorphism and three-broodedness of *Teras minuta* upon apple; and, combined with the observations of other writers, I think they may be said to prove the identity and unity of habit of the three supposed species upon whose life histories observations have been made,—*Teras malivorana* (LeB.), *T. vacciniivorana* (Pack.), and *T. cinderella* (Riley).

Briefly summarizing these various observations, the life history of the species may be outlined as follows: The eggs are laid in spring on the unfolding leaves of apple, cranberry, whortleberry, and possibly other plants, the larvæ soon hatching to devour the tender foliage, of which they form a protective case. Here they continue to feed for about a month, when they pupate within the folded leaves, and about a week later emerge as orange moths. These moths lay eggs for another brood of larvæ, the imagos from which appear in August, being also of the same orange color. These, in turn, lay eggs for a third brood of worms, which develop during September, and emerge during October as glistening reddish gray moths which pass the winter in rubbish heaps, fence corners, and similar places of concealment, and deposit eggs on the unfolding leaves of the various food plants of the larvæ the following spring. Thus is completed this remarkable cycle of insect life—one of the most curious recorded in the literature of entomology.

NATURAL ENEMIES.

In Dr. LeBaron's original article it is stated that Mr. Wier had found a bug preying upon the larvæ, which, from the description given, the Doctor doubtfully identified as *Milyas* [*Harpactor*] *cinctus*.

We have also bred five species of hymenopterous parasites from the lesser leaf roller, all of which are apparently undescribed.* Dr. Riley, who was kind enough to undertake the generic reference of the specimens, writes that they belong to the genera Limneria

*These parasites have since been described by the writer in an article entitled: "On the Parasites of the Lesser Apple leaf Roller, *Teras minuta* Robs.," being Art. III. of Vol. III. of the Bulletin of the Illinois State Laboratory of Natural History.

Pimpla, Cremastus, and Aleiedes, or a closely allied genus. No doubt it is to these friendly insects that the sudden decrease in the numbers of the leaf-roller larvæ so often noticed is to be attributed.

REMEDIES.

It is difficult to prevent the depredations of this insect upon young apple-trees on account of the concealed position of the larva, and its habit of attacking the young terminal leaves. The application of the arsenical poisons is probably as promising as any general remedy; but I believe that the most effective preventive of nursery injury is that of hiring boys to crush the larvæ. This is not such an endless task as would at first appear; and if the first brood of larvæ are thus destroyed, the outlay will be tenfold repaid. That it is eminently practicable on a large scale has been demonstrated the past season by a leading Illinois nurseryman who found that the expense of once going over a badly infested field did not exceed one dollar per acre; and that the outlay was abundantly repaid by the continued vigorous growth of the trees. In a recent letter the gentleman informs me that he intends continuing the practice "more vigorously in the future than in the past."

Mr. Smith has recommended light traps for attracting the moths in cranberry fields; and probably the same means could be employed to lessen the number of the moths in nurseries, especially in early spring, when the hibernating moths are abroad for the purpose of depositing their eggs.

APPENDIX

THE PRESENT CONDITION AND PROSPECTS OF THE CHINCH BUG IN ILLINOIS.*

BY S. A. FORBES.

For three successive years the chinch bug has been extraordinarily destructive in Southern Illinois, gradually extending the area of its investment, until now it occupies there the larger part of thirty counties.

Reports of its occurrence in Iowa, Minnesota, and Wisconsin led us in July to a careful search for it in Northern Illinois; and there also, especially in the counties of Lake, Winnebago, Stephenson, and Lee, it was found locally numerous, and occasionally decidedly injurious to corn and oats adjoining wheat and barley. It has freely bred there this season, in both *winter* and *spring* wheat and in barley; and, as these ripened, has made its way on foot into corn and oats adjoining. From some of the western counties of the State, noticeably from Rock Island county, it is also reported present in great numbers, and injurious to both wheat and corn; while many correspondents throughout Central and Western Illinois have notified me of its appearance in numbers to attract attention and to threaten serious injury in the near future.

The weather conditions in Northern, Southern, and Western Illinois last year, and throughout the State this season, have been eminently favorable to the multiplication of the chinch bug; and if these continue unchanged there is great danger that the larger part of the State may be overrun by it another season. In other words, the agricultural interest of this State is threatened with a loss of possibly fifty million dollars in a single year†—a condition of affairs which clearly constitutes an emergency calling for the use of every resource of knowledge, enterprise, and industry which can be brought to bear; but especially demanding intelligent *joint action* on a *common plan of defense*. While individual farmers

*This article, published in 1887 as a bulletin of the office, is here reprinted for a wider circulation than the original edition of one thousand copies made possible.

†The damage done by this insect to the corn crop alone in Illinois exceeded twenty-two million dollars in 1874, according to the careful calculations made by Dr. Cyrus Thomas. (See 7th Rep. St. Ent. Ill., p. 17.)

may separately protect their crops to a considerable extent, they may by *timely, concerted* action almost completely defend whole neighborhoods at a relatively small expense. Many measures which are useless after an outbreak has reached unmanageable proportions may be quite sufficient to arrest mischief in its beginnings.

NOTES FROM CORRESPONDENTS.

In addition to our personal observations in the field, I have obtained much valuable information from the crop correspondents of the State Department of Agriculture, sent in response to a circular of inquiry issued July 19 to all the counties except those in Southern Illinois well known to me to have been destructively visited this year and last. To these counties no inquiries were addressed.

I find, in brief, collating our information from all sources, that the chinch bug is very destructive in thirty counties; occurs in large numbers in sixteen others; in moderate numbers in seventeen; and in numbers not especially injurious in themselves but sufficient to threaten harm another year in twenty-five; while from thirteen counties it is reported as practically absent.

The following is an abstract of replies received:

ADAMS—A few chinch bugs, but not an alarming number. No damage to growing crops.

BOONE.—A very few, but not enough to do any injury. Will be unsafe to raise either wheat or barley next year.
A few seen when wheat and barley were harvested, but not enough to do any damage.

CARROLL—Nearly destroyed some fields of spring wheat. First brood on the wing a week ago (July 18). Great amount of Hungarian sown here.
No bugs except in the northern part of the county.
Occasional fields have been ruined by them.

CHAMPAIGN—Reported injurious to corn in some fields near Philo.

CHRISTIAN—A few chinch bugs now scattered in corn fields. Not enough to do serious damage, but enough for seed next year.
Not very numerous here. Not hurting anything as yet.

COLES—Chinch bugs have made their appearance in considerable numbers in this locality this season. The first seen here for six years. Have done no material damage and will disappear with plenty of rain.
Oats are being injured by the chinch bug since wheat harvest.

COOK—Some corn damaged by them adjoining rye and barley. A few oats, by the side of rye, killed by them.
At work on barley, rye, and oats, and are commencing on corn. Some corn totally destroyed in patches of one or two acres, and all more or less damaged.

CUMBERLAND—Have been here throughout the year.
All over the county to some extent. Some fields of corn already ruined.

DE KALB—Farmers in northern end of county report noticing them when cutting barley. No damage done to growing corn.

DOUGLAS—Some chinch bugs in corn, but not enough to hurt the growing crop this year.

EDGAR—Very few of them in this locality.

FORD—Noticed in a few localities, but not many in a place.

FULTON—Very few of them. Came recently. No damage done by them here.
Have found a very little sign of them in one or two oat fields only.
Have found a few. Not enough to make any show.
In small numbers in the wheat and oats, and also now among the corn, but not in sufficient numbers to damage the crop.

GALLATIN—Noticed since about the first of June. Thickest where land was poor. One farm was overrun by them.

GREENE—But few in this part of the county. Not enough to do any damage.

HANCOCK—Some bugs here. The weather is very favorable for their increase.

HARDIN—Increasing here very fast. Probably ten times as many as ever before. I think the effect will be felt here this year.

HENRY—The chinch bug has made its appearance, but has not damaged crops to any extent as far as heard from.

Exists in several localities, but has done no serious damage this year. If the winter should be mild, there may be serious results next season.

A few chinch bugs, but have done only a little damage so far. Think the only way to prevent their doing injury is to stop growing wheat and barley.

Chinch bugs here, but doing no damage so far. Cannot tell what the future has in store for us.

JASPER—The drouth and chinch bug have materially injured the growing corn.

JERSEY—The southern part of the county is infested with the chinch bug. They did not come early enough to damage wheat and oats much, but have increased rapidly and are now moving into the corn, where considerable damage is being done.

JO DAVIESS—Spring wheat and barley injured to a small extent by chinch bug. To be found also in oat fields, but not in numbers to do much damage.

Found in small patches in spring wheat and oat fields, doing some damage, but not enough to attract much attention. Also now, in very small numbers, along margins of corn fields adjoining harvested grain.

There are chinch bugs in the corn in numerous fields all about here. A few on the corn stalk under the leaf.

Have been destructive in spring wheat, a little farther south, in both Stephenson and Jo Daviess counties.

KANE—No perceptible damage, although limited numbers have been noticed for three weeks. Last three days have noticed considerable increase in the corn fields.

KANKAKEE—Have heard of only one place in the town where they are in the corn, and there only a little.

KENDALL—Have some bugs in this county, but not enough to do much mischief

KNOX—Damaged winter wheat in some places. Killed some small pieces of spring wheat; hurt oats in some fields; and are now at work on the corn

LAKE - Have done some damage here in barley.

LA SALLE—A great many are found in places where the corn seems to have fired badly.

Doing great damage to the corn. Made its appearance in winter rye just when it began to ripen, but has done no great amount of damage.

Reported in some localities, but no serious damage done by them. Several of my neighbors found them quite numerous in spring wheat and oats, but now say they can find no perceptible damage. But the bugs are here, ready for another year.

The chinch bug is found in nearly all the corn fields in this part of the county (Seneca). Their presence and the drouth have materially lessened the corn crop.

LEE—A very few have shown in spring wheat, now cut, and in corn adjacent.

LOGAN—None with the exception of a few in oats.

MCDONOUGH—A few chinch bugs on the corn adjoining stubble fields, especially spring wheat. May be laying the foundation for a vast number next year.

MACOUPIN—Pretty well distributed over this county; probably in every corn field. Did not hurt wheat and oats much, but are hurting corn badly.

MADISON—Quite numerous in many fields of corn, which are being severely damaged by them. Grown ones now flying over the country.

Damage has been greater in this county than ever before. Little injury to wheat; considerable to oats. Corn taken clean from the land in many places.

Chinch bugs and dry weather have destroyed over one half our corn crop and part of the oats and wheat. Bugs very numerous; never more so.

Have hardly ever been so numerous before. Damage to wheat at least fifty per cent. in some fields. Took the corn nearly clean as they went. Now nearly all in winged state and making ready for second brood.

MARSHALL—Scarcely any spring wheat raised except in the timber, and there you will find the chinch bug in his glory. After eating up the wheat he goes into the corn. Farmers must stop raising spring wheat; then there will be no bugs.

MASSAC—Been at work here for several years; but little worse now than common.

Are plenty here and have damaged wheat and corn at least one sixth. Ears of corn very short, either on account of bugs or drouth, or both.

Chinch bugs are numerous in this county and in this locality (Metropolis). Have done considerable damage to corn. Many farmers are alarmed for the next year. There is no doubt that they injured the wheat to some extent.

MENARD—Find some, but not enough to do any harm.

MERCER—Damaged some pieces of grain, and have now gone into the corn, but I think not in umbers sufficient to do much harm this year. Prospect of a big lot of them next year.

Doing considerable damage to the corn crop. If the spring wheat had been two weeks later I think it would have been destroyed.

MONROE—Chinch bugs here in force. Damaged the wheat about twenty per cent. Now at work on the corn. Many fields adjoining wheat nearly destroyed.

MONTGOMERY—Have not done much damage yet. Have taken some of the corn adjoining small grain, but are now scattered all over the corn fields.

Southern part of the county has been seriously injured as far north as Hillsboro. Now, at a distance ten miles north of that place, numbers of bugs are found in every corn stalk. We greatly fear that if the present drouth continues the next hatching will be fatal to our corn.

Chinch bugs as numerous as I ever saw them. Materially reduced the yield of wheat in many fields. Oats and corn injured where they grew by the side of wheat, many fields of corn being entirely destroyed.

MORGAN—Made their appearance in this county just before wheat harvest—about the tenth of June. Injured late wheat and barley to some extent, and then went into the corn, but have not damaged it to any great degree.

MOULTRIE—Scattered pretty generally over the country; but not very numerous except in a few places where they went out of wheat and oat fields and injured the corn considerably. If conditions are favorable next year we may expect a full crop of them.

PEORIA—Find but very few.

PIATT—Some bugs in southern part of county, but not in the northern. No damage as yet to corn crop.

PIKE—A few chinch bugs are now at work in corn on sides of fields adjoining oats; to be found by stripping down blades.

POPE—The pest is general over the whole county, but not in quantities sufficient to injure the corn crop except for the drouth.

Bugs very numerous in this locality. Doing considerable damage to corn, some of which is black with bugs.

PULASKI—Has been some complaint of the chinch bug in the neighborhood, but it certainly has not done much harm.

In northern and eastern portions of the county, corn fields adjoining wheat begin to show serious damage, and late corn will certainly be badly hurt. Many farmers burned stubble immediately after harvest and virtually destroyed the bugs

Small strip of county three miles east of Villa Ridge infested, but no great damage is as yet discovered.

ROCK ISLAND—Some bugs in almost every corn field, but not in quantity to do any serious damage.

Spring wheat not materially damaged; but few pieces were taken by the bugs.

Chinch bugs here in multitudes and have done a great deal of damage to wheat and corn.

The ravages of the chinch bug are not general in this part of the county, but wherever wheat and rye were raised it made its appearance early, and as soon as these were harvested it attacked the adjoining corn fields, damaging many acres.

Has made its appearance in some localities, but not in numbers to do small grain very much damage. Corn has suffered very slightly from it.

SALINE—Quite a lot of bugs all over the county.

The chinch bug has injured our corn more than the drouth, and it is multiplying rapidly. Has also killed the crab grass and fox-tail in the wheat stubble of many of our fields.

SANGAMON—Chinch bugs are here, but not in sufficient numbers to excite alarm or even attract attention.

SCHUYLER—A very few chinch bugs in some localities. No damage from them as yet.

Have noticed but very few. Soon after cutting wheat noticed some young ones in the corn. In some localities they damaged oats slightly.

SCOTT—Have heard but one complaint, and this is where the corn field was entirely surrounded by small grain.

SHELBY—Have been damaged but very little in this locality by chinch bugs, though in the southern part of the county they have done considerable harm.

Quite numerous in the wheat fields, and have destroyed corn and oats adjoining wheat and rye The second generation is hatching.

Went from wheat into corn, and in central and northern townships have done considerable damage.

STARK—In Goshen township the chinch bugs have made their appearance, but little is said as to the amount of damage done

STEPHENSON—In considerable numbers in spring wheat. Plenty to make a full crop by another year.

Were but few chinch bugs in winter wheat, as they came too late for that. They were in spring wheat and barley; mostly confined to timbered districts, there being very few on prairie farms.

Winter wheat is slightly damaged by chinch bugs in this part of the State and spring wheat and barley suffered much.

The chinch bug is so generally present that should next season be favorable for its development, serious harm from them may be expected. They hurt winter wheat nearly or quite as badly as spring wheat. Are now injuring corn, but not to any very great extent. (Hiram Snyder, Lena.)

TAZEWELL—Some in wheat stubble. Not more abundant than usual in corn No damage so far.

VERMILION—Chinch bugs numerous in many fields, eating fox-tail and millet, but have done no damage to grain. Some farmers report stubble fields swarming with them.

WHITESIDE—About in isolated patches of wheat in small numbers, just to show what they can do

Chinch bugs have made their appearance in quite large numbers in some parts of this county where considerable wheat and barley have been raised, but are not so numerous or general as to cause alarm.

WILL—Chinch bugs are numerous, but yet doing no perceptible damage. Many of them are on the wing. Are said to be numerous in slough grass and wet-land meadows (something unusual), and when the grass is cut they take wing. Have not heard of any damage to corn.

WILLIAMSON—Chinch bugs are all over the county; more numerous than ever before. Killed a good deal of corn when they first went into it, at harvest, and the second brood is now hatching on corn.

WINNEBAGO—We have the chinch bug in great numbers; first in barley, now in corn and oats.

WOODFORD—Find a good many in edges of corn fields, and the weather being so very dry, they will probably injure the crop considerably.

A few here in rye, from which they went to the corn, but not in sufficient numbers to do damage worthy of notice.

Other correspondents from the counties above mentioned reported no chinch bugs apparent in their vicinities, as follows:

From Adams county, 1; Cook, 1; Douglas, 2; Edgar, 1; Ford, 1; Kankakee, 1; Kendall, 1; Knox, 2; Lee, 1; Peoria, 1; Rock Island, 1; Sangamon, 1; Stark, 1; Will, 1.

Those from the following additional counties report no damage in their vicinities:

Bureau, Calhoun, Cass, DeWitt, Iroquois, Livingston, Macon, McHenry, McLean, Mason, Ogle, Putnam, and Warren.

One from Bureau county says: "There has been very little wheat sown here for many years past, and farmers think that this accounts for the absence of the chinch bugs."

Mr. Dougherty, of Otterville, Jersey county, writes that the bugs in his neighborhood are not numerous enough to do serious injury; and that he practices burning stubble to destroy them as much as possible.

Mr. Seeley writes from Oswego, Kendall county, that he has been told by some of the neighbors that a very few chinch bugs have been seen. Has been but little wheat or barley raised there for some time until the last two or three years. Is afraid that if this is continued the chinch bugs will return.

Mr. Samuel Frost, of Macomb, McDonough county, says: "We have no chinch bugs in our county. There is very little spring wheat raised here, which may account for their absence."

Mr. Wm. M. Duffee, San Jose, Mason county, says: "There are no chinch bugs in our fields in this county. We have had none here since we quit raising spring wheat."

Mr. J. H. Anthony writes from West Jersey, Stark county: "Little or no damage done in southwestern Stark. Very little spring wheat or rye raised in this county for several years, consequently the chinch bugs are somewhat held in check."

LIFE HISTORY.

The life history of this insect has been often rehearsed, but will still bear brief repetition.

The chinch bug passes the winter in the adult, winged state (a few black wingless individuals occasionally occurring), under rubbish or around the fields, in corn shocks and straw piles, under boards and among dead leaves in the woods, most abundant, usually, around the edges of fields and in thickets and the borders of woods. From these lurking places, such as survive the winter emerge in April and May (possibly sooner, if the season opens early), and, after pairing, lay their eggs in May and June in fields of spring and winter wheat, barley, rye, oats, and corn—chiefly in wheat and barley,—most of the eggs being deposited in or near the ground on the lower parts of the plants. Many of those hibernating around fields sown to wheat and barley make their way in on foot, thus attacking the outer edges first; but others take wing and scatter freely wherever suitable food invites them. Rarely these winged, hibernating individuals will concentrate in a field of grain in numbers sufficient to damage the young plants at once, even before the eggs are laid; but commonly no marked injury appears until the young of the succeeding generation begin to feed.

By July most of the old, hibernating brood are dead, and the new generation is nearly full grown; far enough advanced by harvest to abandon the fields of wheat and barley for the nearest available food—oats or corn, if these are adjacent, otherwise, and more rarely, grass. Making their way in on foot they will at first attack only the borders of these fields; but later—by the first of August at the farthest—the bugs not already located will begin to fly, and so will become generally disseminated through fields of corn. Not infrequently, especially to the southward, many of the old bugs fly as soon as they get the use of their wings; but as only a small part of them have passed their final moult before small grain ripens, most of the generation must still search for food on foot. In the corn the eggs are laid behind the sheaths of the lower leaves, and under the protection of this retreat the young hatch and mature, only coming out upon the exposed surfaces of the leaves when they become superabundant or when they get their growth. The full grown bugs fly freely, singly, but not in swarms, whenever their food fails them where they are. Rarely we find in the southern part of the State some trace of a third generation in a season, the young of these appearing in September in the corn—but these are in too small numbers to have any practical importance. The generations are thus mainly two; one breeding chiefly in wheat and barley, and the other almost wholly in corn—the adults of this latter brood passing the winter as above described.

Each female is believed to be capable of laying about five hundred eggs.

FOOD PLANTS.

The chinch bug is practically confined for food to the great family of grasses (Gramineæ), which contains all the cereals and grasses, tame and wild. Some of these, however, it feeds upon with reluctance, if at all; and among the ordinary objects of its food it has its very decided preferences. Among the crop plants, wheat, barley and rye, sorghum, broom corn and Indian corn, millet and Hungarian grass are its favorite foods, with oats and timothy clearly second to these; while among the wild grasses, its preference is for fox-tail grass and "tickle grass" (Setaria and Eragrostis). It seems to prefer timothy to blue grass, not really relishing either as a general thing*—and takes to the crab grasses (Panicum) not at all, or only as a last resort. It is reported by old settlers to feed on the wild prairie grasses, and to have bred upon them freely when the country was new; but it is not known what species of these grasses it affects. Nothing seems more precisely to its liking than the Setarias (fox-tail, Hungarian, and millet), unless it be sorghum and broom corn.

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*It should be noted, however, that the chinch bug may breed abundantly, with destructive consequences, in timothy meadows and pastures, although in the West this seems not to have been a common occurrence. A limited but severe attack in New York in 1882, was almost wholly confined to these situations.

On the other hand, flax, clover, buckwheat, and all plants in general which do not belong to the family of grasses, remain absolutely uninjured by it, even under the pressure of actual starvation.

PREVENTION AND REMEDY.

There is a general, but mischievous impression among the farmers of this State, especially to the southward, that it is useless to contend against the chinch bug, and that its visitations must be received like those of the drouth and the tornado, as evils beyond our power to prevent or remedy. A careful study of the literature of the subject, several years' observation in the field, and some experiment, have convinced me that this belief often doubles, at least, the calamity of an outbreak, by discouraging at the outset any except sporadic and individual measures of defense.

This discouragement is of course not without its reasons. Commonest, I think, are the following:

1. In this, as in many other cases of insect injury, the number of unreasonable and even preposterous recommendations that have been made have tended to discredit the whole subject of remedial measures.

2. Few are aware of the very considerable number of valuable remedies which have been carefully tried, here and there, with decisive or highly encouraging results.

3. Failures of measures not intelligently or thorougly applied, or applied under exceptional circumstances, have often led to the conclusion that there was no value in them under any circumstances whatever.

4. Partial or complete failure of the isolated efforts of individuals has sometimes illegitimately discouraged combined action by the farmers of a neighborhood.

5. The use of proper measures in the beginning of an outbreak has been prevented by a failure, elsewhere or previously, of the same measures where the chinch bug had already overwhelmed the country. The best of remedies will fail when the patient is already in the article of death.

6. Failure to accomplish *everything* has sometimes caused abandonment of measures which nevertheless do accomplish *much*.

7. Many reasonable and promising remedies lack the endorsement of accurate experiment, and so fail to command the confidence of the practical farmer.

8. The disposition to speculate on the weather is very common. A hope that heavy rains may intervene to destroy the bugs often prevents action which it is thought may be rendered unnecessary by the turn of events.

I think, however, that all thoughtful men must agree that in the face of so great a danger as now threatens the agriculture of

the State, it is the part of wisdom to take no chances needlessly, but to use every measure of precaution which an intelligent study of the situation can suggest.

In the following summary discussion of remedies I have not usually attempted to discriminate between those which have been tested by general usage or by accurate experiment and those which rest upon theoretical grounds chiefly. I greatly hope that another year may put us in position to try in the field the more important measures of this latter class in a way to bring out clearly their actual value.

The remedial and preventive measures applicable to the chinch bug may be conveniently divided into *agricultural methods, barriers against migration,* and *direct destruction.*

A. AGRICULTURAL METHODS.

1. *Clean farming.* The chinch bug seeks in autumn the protection of dead leaves, grass, fallen fence boards, rails, etc., and does not usually fly far in spring if it can find food near by. The farmer, therefore, who harbors the greatest number on his premises will, in the long run and as a general rule, suffer first and worst the following year. Further, some of the commonest grass-like weeds are among the favorite food plants of this insect, and the bugs will be most numerous on farms where these are allowed to grow.

2. *Judiciously diversified farming.* That repeated and general cropping to the cereals alone, especially to only two or three kinds of them, favors the multiplication of the chinch bug, is a fact now so well known as to need no discussion.

3. *Temporary abandonment, in corn districts, of small grain, especially wheat and barley.* This measure of defense, in use for more than a century, is the one most generally relied upon. Its at least partial efficacy is now clearly demonstrated throughout a large part of this State, where the chinch bug is making its advent almost wholly by way of fields of wheat and barley.

It is to be noted, however, that where the number of this insect has risen to great excess, it cannot be reduced again by simply refraining from the culture of wheat and barley. It has been repeatedly shown in Southern Illinois, during the last two years, that under such circumstances the bugs will breed as freely and successfully in oats as in other grains; while recent occurrences in New York prove that the meadow grasses afford them almost equal opportunity. This is consequently a preventive rather than a remedial measure.

A serious error is prevalent in some parts of the State with respect to the relation of the chinch bug to winter wheat, many believing that this insect cannot flourish on winter grains. The fact is, however, that the tremendous attacks under which South-

ern Illinois has suffered for the last three years, have been delivered first, each year, upon the fields of winter wheat, no spring grain but oats being raised in that entire region; and our recent observations in Northern Illinois, where winter wheat has lately been introduced again to some extent, show that there likewise this has suffered scarcely less, in several instances, than spring wheat beside it. It is probable, however, that where both varieties are raised, the spring wheat will usually be worst attacked; but certainly if only winter wheat is grown, this will afford every necessary opportunity for the multiplication of the chinch bug.

4. *The temporary abandonment of corn in regions where small grains are the principal crop.* This expedient was suggested by observations made in the wheat regions of Washington county, where nature made for us, in 1886, an experiment on a large scale, showing the result of a lack of food for the midsummer brood of the chinch bug. The few corn fields in that region being early destroyed by insects and drouth, the breeding of the bugs was cut short in the corn, and the adults were forced to desert the fields in midsummer. Most of them consequently flew to the woods and lived principally, during the remainder of the season, upon certain woodland grasses. The number of the hibernating generation was thus cut down, and those surviving passed the winter almost wholly in the woodlands, with the consequence that fields at some distance from woods were nearly or quite free from attack the following spring. A general burning of the woods and thickets at the proper season, as recommended under another head, would probably have almost wholly protected this entire region.

5. *Culture of crops not affected by the chinch bug.* The most important of these are clover, buckwheat, potatoes, turnips, and the root crops generally; flax, hemp, beans, castor beans, melons, strawberries, and all the fruits. Oats and the common meadow grasses are usually less damaged than wheat, rye, barley, Hungarian, and millet.

6. *Heavy fertilization*, both of the ground before planting, and of the surface where the crop is attacked. This method takes effect both by supporting the plant under the drain of insect injury, and by causing a more luxuriant and thicker growth of vegetation, which shades the ground and renders it moist, thus supplying conditions unfavorable to the multiplication of the chinch bug. It is, by many, supposed that the bugs prefer an unthrifty vegetation to one in vigorous growth, but this is certainly not invariably the case. Fields of corn, side by side, one fertilized and the other not, are often equally infested by this insect, the conspicuous difference in condition being due wholly to the greater resisting power of the stimulated plants. This practice has likewise the advantage of forcing the development of the crop, thus pushing it out of the way of early injury.

An experiment recently conducted for me by Mr. Samuel Bartley, of Edgewood, bears on the utility of this method. A plot of

wheat heavily fertilized before sowing, with barn-yard manure—almost the only wheat in that neighborhood—was very vigorously attacked in spring by the chinch bug, much of it being badly damaged by the adults of the hibernating generation before they had even laid their eggs. Nothwithstanding this injury, and that by the much more abundant generation following, this plot yielded, according to a report made to me August 4, at the rate of 20.8 bushels per acre, 54 pounds to the bushel; while the portion of it treated in spring with special fertilizers* yielded at the rate of 24 bushels per acre, 62 pounds to the bushel. The ususal average yield of this region does not exceed 18 bushels. It is scarcely possible that this field could have yielded more than ten bushels per acre if left unfertilized. The effect of the first application of manure was, therefore, to about double the crop; and that of the second, to further increase this yield by some twenty-eight per cent.

7. *Fall plowing, and heavy rolling after the seed is sown.* This measure is based upon the fact that the female chinch bug seeks the roots of grain in spring upon which to lay her eggs, and can penetrate compact soil less readily than that recently plowed. As the eggs are very frequently and freely laid, however, upon the lower part of the plant above the earth, this measure probably cannot have any very important effect.

8. *The use of surplus seed.* This serves a double purpose; that of shading the ground, as mentioned above, and that of supplying an excess of vegetation, some of which may be sacrificed to the bugs without serious diminution of the yield.

9. *Early planting of crops exposed to chinch-bug attack (excepting corn).* As the principal damage is done by the young of the spring generation, and as these do not ordinarily begin to hatch until the middle of May and are most destructive late in June, early planting may often so advance the crop as to get it practically out of their way. This applies as well, of course, to winter grain as to the spring varieties.

10. *Late planting of corn.* Corn should be planted late enough to make it certain that the hibernating adults have all left their winter quarters and established themselves in grain fields for reproduction; otherwise the crop may be infested by this first generation as well as by the second.

11. *Mixture of seed, to repel or destroy the insect.* The sowing of clover in spring on winter wheat is largely practiced in Southern Illinois, and with unquestionably good effect, provided that the clover grows freely enough to shade the ground by the time the young chinch bug gets fairly under way. Frequently, however, in that latitude, clover makes too slow and slight a start to effect this purpose.

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*One hundred pounds each, per acre, of nitrate of soda, superphosphates, and sulphate of potash.

Timothy may often be sowed in fall, to the best advantage, with winter wheat or rye, as reported to me by Mr. John A. Kelly,* of Cumberland county, in a letter dated June 25, 1887; and also more at length by Mr. E. E. Chester, of Champaign county. Mr. Chester's experience demonstrates so precisely the very great value of this method as a protection to the wheat crop under the most unfavorable circumstances possible, that I will report it in full.

A field of twenty-eight acres was sown to wheat in the fall of 1874, when the chinch bugs were innumerable throughout all this region—twenty acres with timothy and the remaining eight without, timothy being sown on the latter in the spring. This eight-acre plot, like the rest in every respect except that mentioned, was overwhelmingly infested by the chinch bug, the grain at harvest yielding only seven bushels per acre, while the twenty acres, bearing a thrifty growth of fall timothy, remained wholly unaffected except for a short distance adjoining the other plot, and yielded an average of twenty bushels to the acre. The latter wheat sold as "No. 1," at one dollar per bushel, and the former as "rejected," at sixty-five cents.

Winter rye is sometimes sowed with spring wheat, for similar reasons.

Flax has also been sowed, with good result, on both spring and winter wheat, being itself exempt from attack and serving to shade the ground to a considerable extent. According to some observers, it even repels the bugs.

The sowing of buckwheat and flax in the outer rows of fields of corn is likewise reported to have protected them from invasion.

12. *Strips of favorite food plants sowed as lures*: millet or Hungarian around wheat or corn; spring wheat around winter wheat or oats; sorghum or Hungarian around corn or between the outer rows. The object of this procedure is to induce the adults escaping from wheat fields or emerging from their winter quarters, to lay their eggs in these special strips, which are then plowed up and planted to other crops, thus destroying the unhatched eggs and the young.

13. *Sowing strips of favorite food plants near the winter quarters of the bugs.* When woodlands and thickets contain numbers of hibernating insects, these may be thus tempted to deposit their eggs, which may then be destroyed early with the vegetation used as a lure, the ground being afterwards replanted to some crop not affected by the chinch bug.

14. *Sowing strips of plants not injured by chinch bugs, as barriers to the migration of the spring generation.* These should be interposed especially between fields of barley or wheat and

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*"I have accidentally discovered that by sowing timothy with the wheat in the fall, if I get a good catch the bugs cannot breed, as the wheat starts first in spring and then the grass forms a dense shade by the tenth of May. When the bugs deposit their eggs they cannot hatch on account of too much shade."

oats or corn. Their effect will be only to delay and distribute the migration of the brood, possibly resulting also in the starvation of the younger individuals.

15. *Encouraging spring growth of volunteer grain* on ground to be used for corn, or other late-planted crop. Late spring plowing of this ground preparatory to planting will destroy the eggs and young with which it will probably be stocked.

16. *Irrigation of the infested fields*, where it is possible, is, of course, a complete remedy.

B. BARRIERS AGAINST MIGRATION.

1. *Planting strips with crops not subject to injury by the chinch bug*, as described above under No. 14. This, to prevent the speedy migration of insects of the spring generation from fields of wheat and oats at harvest.

2. *Plowing and harrowing at harvest time around infested fields*, for a similar purpose.

3. *Plowing one or two deep furrows around the field.* "The earth should be thrown away from the protected field, and the furrow not allowed to settle or harden, but be kept friable or dusty by dragging a log or stone or a bundle of brush along it each morning. The philosophy of the plan is that the bugs cannot climb up the loose surface, especially on the perpendicular side. The dragging each morning will kill many, but they should be either trapped or destroyed in pits, or burned by strewing straw each morning on the invading side of the furrow, and burning the same each evening, when a chinch-bug holocaust will result." —Riley.

4. *Pouring coal tar along the ground* just outside the borders of infested fields, as recommended by Dr. LeBaron in his second report. "This method," he says, "has been extensively resorted to the past season (1871) in the central part of the State. I had an opportunity of seeing it put in practice, on a large scale, on the farm of Mr. Joshua Sells, of Bloomington. At the time of my visit, Mr. Sells had adopted the plan of running a stream of tar from the spout of an old tea-kettle directly upon the ground, along the exposed sides of his corn fields. He found that a gallon of tar would extend about ten rods, so that a two-gallon kettle, twice filled, would furnish a strip of tarred ground the whole length of a forty-rod corn field. The tar had to be renewed every other day, and oftener in case of rain. The insects would crowd up to the line in such numbers that in many places they would pile up from half an inch to an inch deep, and could be scraped up by the double handful. But so long as the tar was kept fresh, not a bug would cross it. They were not prevented from crossing by the adhesive nature of the tar, but by its repulsiveness. The bugs would not touch it. They were destroyed by conducting them into perpendicular holes, or by shoveling them in and burying them."

C. DIRECT DESTRUCTION.

1. *Destroying the bugs by fire in their winter quarters in fall and spring.* After the first frost in autumn, and before the warm invigorating weather of a well-established spring, the bugs are all concealed under rubbish—most abundant usually around headlands, under corn stalks, etc., and often, also, among the dead leaves in the borders of woods. Here vast numbers of the bugs may be destroyed by burning (especially where wire fences make this process comparatively easy), and every one of these winter residents killed may mean a hundred thousand less in the fields the following summer. While this measure will often pay the individual farmer as a protection of his own crops alone (since these are usually first and worst damaged by the bugs harbored on his own grounds), yet the full measure of possible benefit can only be obtained by general action by the farmers of a neighborhood. Burning will be more effective in fall than in spring, because the bugs not destroyed by fire will be exposed to the winter weather by the destruction of their shelter. It is necessary that the burning should be done when the grass and rubbish are thoroughly dry, otherwise the fire may run lightly over it without destroying the insects.

2. *Distributing straw, corn stalks, etc., as lures to hibernation, and then burning.* By offering inviting winter quarters in and around infested fields, the adults may be readily collected where they can be conveniently and completely destroyed.

3. *Spreading straw and rubbish around ripening grain fields and burning at night.* Chinch bugs leaving a field are disposed to shelter themselves at night, and are thus exposed to destruction by this method.

4. Similar protection may be afforded to corn fields subject to invasion.

5. *Plowing up killed grain and planting to other crops.* Nearly all the younger bugs will find it impossible to escape from a plowed field, and will perish by starvation.

6. *Plowing under deep, or killing by burning over the ground where grain has been destroyed..* Sometimes a light covering of straw will be necessary for this latter purpose.

7. *Plowing under the outer rows of corn,* where these have been invaded from adjacent fields of grain.

8. *The application of insecticides:* gas lime to wheat and corn; the kerosene emulsion to corn, possibly, also, to wheat in early spring; hot water and soap suds to infested stalks of corn.

As farm help is relatively abundant after harvest, applications of inexpensive insecticides may sometimes be made with profit, especially if their use upon a few of the outer rows of corn shall have the effect to protect the entire field. A simple mechanical mixture of water and three per cent. of kerosene is deadly to chinch bugs

of all ages, and does not injure half-grown corn if the fluid is thoroughly and repeatedly shaken up. Or, as a safer application, an emulsion of kerosene may be made with a soap suds containing one pound of soap to twenty gallons of water. Two gallons of kerosene oil should be boiled with a gallon of suds, and then, while hot, thoroughly churned or mixed with a syringe or hand-force pump until a permanent cream or butter is produced. This emulsion may be diluted with the soap suds at the rate of a gallon of the former to fifteen or twenty gallons of the latter.

9. *The application of repellent substances*, to prevent the chinch bugs from laying their eggs upon the crops; a measure suggested only as worthy of experiment. A light coating of partly stale gas lime, not too freely applied to wheat in spring, or placed by the handful at the roots of corn at harvest, might possibly protect these crops.

10. Finally, *the artificial cultivation of the germs of the contagious diseases* of the chinch bug, with a view to spreading these diseases at will by means of such artificial cultures. This is a theoretical remedy only, and much additional study and experiment will be required to put it on a practical basis.

SPECIAL PROCEDURE RECOMMENDED.

For those parts of the State not already practically mastered by the chinch bug, especially for Northern and Western Illinois, I would earnestly recommend the following procedure for the coming fall and spring:

1. Give up wheat, rye, barley, Hungarian, and millet, for the coming year; or,

2. If the just mentioned *grains* are grown, sow with them timothy this fall, or clover next spring.

3. Pick up boards, rails, and sticks along roadsides and around headlands this fall, and thoroughly burn over the borders of the fields and similar places, thickets, woodlands, etc., late this fall if practicable, selecting for this dry days when rubbish will burn close to the ground. Such places as cannot be burned in fall should be fired early in spring.

4. Fertilize ground to be used next year for small grain or corn, and apply to the surface next spring quickly acting fertilizers, where crops become infested.

5. Plant all the crops, except corn, at the earliest time permissible.

6. Search carefully for the bugs next spring in their usual quarters, as a means of determining the possibility of serious injury; and, if this seems threatening,

7. Raise extensively, another year, crops not affected by the chinch bug.

8. Do these things, not singly and imperfectly, but thoroughly and by neighborhoods; by mutual consultation and organized co-operation; and there is excellent reason to believe that the chinch-bug outbreak now impending may be suppressed, or at least kept down, until a favorable change in the weather for a season or two shall make artificial measures unnecessary.

It is important to repeat, as related to the possibility of *local protection*, that our observations of recent years show that the chinch bug does not ordinarily travel far, but that the damage in any region is done almost wholly by the bugs bred on that ground.

FIELD EXPERIMENTS PROPOSED.

I am painfully aware that many of the recommendations made in this paper rest upon no basis of accurate experiment, leading to precise, demonstrated results. I ardently hope that, if the chinch bug prevails another year, we may be in position to make such experiments in the field in different parts of the State; but to that end I have to ask the co-operation of the farmers interested. I consequently especially request correspondence with those who are disposed to afford us an *opportunity for trial*, upon their grounds, of the most important and promising measures against the chinch bug. Such experiments will be conducted personally by myself or my assistants; but for the privilege of making them we must look to others.

It will be necessary, in most cases, that small selected plots of uniform character be placed at our disposal; that some of these be treated experimentally and others beside them left without such treatment, as a check upon the results; that the product of all be kept perfectly distinct, both at harvest and threshing; and that it be accurately measured and weighed. The subjects of special interest from this point of view are the following: (1) general and special fertilization; (2) the use of surplus seed; (3) the sowing of mixed seed—clover, flax, timothy, etc., with the small grains; (4) the sowing of strips as lures to oviposition; (5) the planting of strips as barriers; (6) the use of coal tar as a barrier against migration; (7)the effect of burning over the winter quarters of the bugs; (8) the use of straw, corn stalks, etc., as lures to hibernation; (9) the effect of plowing under the outer rows of infested corn; (10) the application of insecticides or repellents—especially gas lime.

With positive and precise knowledge of the value of these measures under varying circumstances, an important advance will certainly have been made in our practical acquaintance with this arch-enemy of western agriculture.

ERRATA.

Page 3, line 22 from bottom, after June insert 1886.

Page 69, line 10, for fruit read fruits.

Page 75, line 8 from bottom, for I. read II.

Page 84, line 6, for scale read scales.

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